Degrees/Majors/Pre-Professional Curricula
BACCALAUREATE DEGREES

The following statements pertain to all baccalaureate degrees:

• A minimum of 120 hours of undergraduate degree credit (courses numbered 100-599) is required.
• The University Studies Program, consisting of 51 hours, is required.
• A minimum of 30 hours must be completed in residence at Southeast.
• A minimum of 39 hours of senior college courses (300-599) must be completed after completion of 45 hours.
• Required completion of Student Transitions Career Proficiency Checks CL 001, CL 002, CL 003, and CL 004.
• Required completion of WP 003.
• Required completion of the Measure of Academic Proficiency and Progress (MAPP) at the freshman and senior levels.
• No more than one-half of the junior college and one-half of the senior college work on a major or minor may be taken by correspondence and/or extension.
• The student's last term must be completed at Southeast, except that, in the case where six or fewer hours are needed to meet the total number of hours required for graduation, they may be taken at another accredited college or university, or by extension or correspondence subject to the rules governing extension courses and transfer of credit.
• A minimum cumulative GPA of 2.0 is required for graduation, except for the B.S. in Education, the B.S. in Family and Consumer Sciences Education, the Bachelor of Music Education, the major in Communication Disorders, the major in Interdisciplinary Studies, the major in Mass Communication, and the Bachelor of Fine Arts-Performing Art program which require a 2.5 GPA for graduation and the major in Social Work which requires a 2.25 GPA for graduation.
• A minimum 2.0 GPA for all of the degree credit attempted at Southeast is required.
• For all degrees which require a major, a minimum 2.0 GPA must be earned in those courses counted on the major, except for Business Administration majors which require a 2.25 GPA, majors on the Secondary Education degree, the Mass Communication major, the Health Management major and the Theatre and Dance major which require a 2.5 GPA, the Communication Disorders major which requires a 2.75 GPA, and the 2-Dimensional and 3-Dimensional Art majors, BFA-Performing Arts major, all Music majors and the Social Studies Education major which require a 3.0 GPA.
• A minimum 2.0 GPA must be earned in those courses completed at Southeast that are counted on the major.
• When applicable, a course may be counted toward more than one requirement, e.g., University Studies, major and minor.
• The student must pass EN 099; and MA 101/102 or score at the appropriate levels on placement tests to have the courses waived.

NOTE: There may be additional specific graduation requirements for individual programs. Further information is available in the College Advising Offices.

DEGREES/MAJORS

The Colleges of the University and the Schools of Polytechnic Studies and University Studies offer majors in many fields to meet the diverse needs of its student population. Information regarding degrees and majors is available from the individual departments and from the following Advising Centers:

Donald L. Harrison College of Business (Bus)
Dempster Hall, room 123
Telephone (573) 651-5090

College of Education (Ed)
Scully Building, room 304
Telephone (573) 651-2412

College of Health & Human Services (H&HS)
Academic Hall, room 104
Telephone (573) 651-2015

College of Liberal Arts (Lib Arts)
Academic Hall, room 104
Telephone (573) 651-2007

College of Science & Mathematics (Sci&Math)
Rhodes Hall, room 102D
Telephone (573) 651-2173

School of Polytechnic Studies (Polytech)
Seabaugh Polytechnic Building, room 118
Telephone (573) 651-5930
The requirements for the majors are listed alphabetically under the appropriate degree:

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Note: A maximum of 30 semester hours of business courses (AC, AD, BA, BL, FI, MG, MK, QM prefixes) may be taken by nonbusiness majors.

### MAJOR/DEGREE DEPARTMENT/COLLEGE

- **Accounting/BSBA** ................................................. Acct & MIS/Bus
- **Administrative Services Mgt/BSBA** ................................ Acct & MIS/Bus
- **Advertising** ................................................. (see Mass Communication)
- **Agriculture/BS** ................................................. Agriculture/Polytech
  - **Agriculture Industry**
  - **Animal Science**
  - **Horticulture**
  - **Plant & Soil Science** (see Agribusiness)
- **Anthropology/BA** ................................................. For Lang & Anthro/Lib Arts
- **Art/BA, BFA, BSED** ................................................. Art/Lib Arts
- **Athletic Training/BS** ............................................. Health, Hum Perf & Rec/H&HS
- **Biology/BS, BSED** ................................................. Biology/SciMath
- **Business & Marketing Education/BSED** ........................ Acct & MIS/Bus
- **Chemistry/BA, BS, BSED** ........................................ Chemistry/SciMath
- **Child Care & Guidance/AA** ........................................ Human Envir. Studies/H&HS
  - **Child Development** ................................................. (see Human Envir. Studies)
- **Communication Disorders/BS** .................................... Comm Disorders/H&HS
- **Communication Studies/BA** ....................................... Communication/Lib Arts
- **Computer/Multimedia Graphics** (see Industrial Technology)
- **Computer Information Systems/BS** ................................ Computer Sci/SciMath
- **Computer Science/BS** ................................................. Computer Sci/SciMath
- **Computer Technology/AA** ........................................ Industrial Technology/Polytech
- **Construction Mgt & Design** ........................................ (see Industrial Technology)
- **Corporate Communication/BS** ...................................... Communication/Lib Arts
- **Criminal Justice/BS** ................................................. Crim Justice & Sociology/H&HS
- **Corrections**
- **Law Enforcement**
- **Security Management**
- **Dietetics** .................................................... (see Human Envir. Studies)
- **Early Childhood Educ/BSED** ..................................... Early Elem & Special Educ/Ed
- **Economics/BS** .................................................. Economics & Finance/Bus
- **Economics/BSBA** .................................................. Economics & Finance/Bus
- **Business Economics**
- **Financial Economics**
- **Elementary Education/BSED** ................................. Early Elem & Special Educ/Ed
- **Engineering Physics/BS** ........................................... Physics & Engr Physics/SciMath
  - **Computer Applications**
  - **Electrical Applications**
  - **Mechanical Applications**
- **Engineering Technology/BS** ................................... Industrial Technology/Polytech
  - **Electrical & Control**
  - **Mechanical & Manufacturing Systems**
- **English/BA, BSED** ................................................ English/Lib Arts
- **Writing**
- **Entrepreneurship** ................................................ (see Management)
- **Environmental Science/BS** ....................................... Environmental Sci/SciMath
- **Exceptional Child Educ/BSED** .................................. Early Elem & Special Educ/Ed
- **Facilities Management** ........................................... (see Industrial Technology)
- **Family & Consumer Sciences Educ/FCSE** ........................ Human Envir. Studies/H&HS
- **Family Studies** ................................................... (see Human Envir. Studies)
- **Fashion Merchandising** ......................................... (see Human Envir. Studies)
- **Finance/BSBA** .................................................. Economics & Finance/Bus
- **Fine Arts/BS** ..................................................... College of Liberal Arts
- **French/BA, BSED** ................................................ For Lang & Anthro/Lib Arts
- **General Studies/BGS** ............................................. University Studies
- **German/BA, BSED** ................................................ For Lang & Anthro/Lib Arts
- **Global Studies/BA** ................................................ For Lang & Anthro/Lib Arts
- **Health Management/BS** ......................................... Health, Hum Perf & Rec/H&HS
- **Exercise Science** .................................................. Health Promotion
- **Historic Preservation/BS** ........................................ History/Lib Arts
- **History/BA** ........................................................ History/Lib Arts
- **Hospitality Hospitality Mgt/BS** ................................... Human Envir. Studies/H&HS
- **Human Environmental** ............................................. Human Envir. Studies/H&HS
- **Studies/BS**
  - **Child Development**
  - **Dietetics**
  - **Family Studies**
  - **Fashion Merchandising**
  - **Interior Design**
  - **Horticulture** .................................................... (see Agribusiness)
  - **Human Resource Management** ...................................(see Management)
  - **Industrial Management** .......................................... (see Industrial Technology)
  - **Industrial Education/BSED** .................................... Industrial Technology/Polytech
  - **Industrial Technology/BS** ...................................... Industrial Technology/Polytech
  - **Computer & Multimedia Graphics**
  - **Construction Management and Design**
  - **Facilities Management**
  - **Industrial Management**
  - **Technology Management**
  - **Telecommunication & Computer Networking**
  - **Interdisciplinary Studies/BS** .................................. University Studies
  - **Interior Design** .................................................... (see Human Envir. Studies)
  - **International Business/BSBA** .................................... Mgmt & Mktg/Bus
  - **Journalism** ........................................................ (see Mass Communication)
  - **Management/BSBA** ................................................ Mgmt & Mktg/Bus
  - **Entrepreneurship**
  - **Human Resource Management**
  - **Management Info. Systems/BSBA** .............................. Acct & MIS/Bus
  - **Marketing/BSBA** ................................................ Mgmt & Mktg/Bus
  - **Integrated Marketing Communication**
  - **Marketing Management**
  - **Mass Communication** ............................................ Communication/Lib Arts
  - **Advertising/BS**
  - **Journalism/BA**
  - **Public Relations/BS**
  - **Radio/BS**
  - **Television & Film/BS**
Bachelor of Arts Majors

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Mathematics/BS ...........................................................Mathematics/Sci&Math
Applied Mathematics & Statistics
Pure Mathematics
Mathematics/BSED ..........................................................Mathematics/Sci&Math
Medical Technology/BS .......................................................Chemistry/Sci&Math
Middle School Education ..................................................Middle & Secondary Ed/Ed
Music/BA ...........................................................................Music/Lib Arts
Music/BM ...........................................................................Music/Lib Arts
Composition
Instrumental Performance
Vocal Performance
Music Education/BSE .........................................................Music/Lib Arts
Instrumental
Vocal
Nursing/BSN .........................................................................Nursing/H&HS
Organizational Administration/BSBA ......................................Harrison College of Business
Performing Arts/BFA ..........................................................Theatre & Dance/Lib Arts
Philosophy/BA .....................................................................Pol Sci, Phil & Religion /Lib Arts
Physical Education, PK-12/BSED .......................................Health, Hum Perf & Rec/H&HS
Physics/BS, BSED ..........................................................Physics & Engr Physics/Sci&Math
Political Science/BA, BS ...................................................Pol Sci, Phil & Religion/Lib Arts
Psychology/BS .....................................................................Psychology/Lib Arts
Public Relations .................................................................(see Mass Communication)
Radio .................................................................................(see Mass Communication)
Recreation/BS .....................................................................Health, Hum Perf & Rec/H&HS
Secondary Education ..........................................................(see specific major)
Social Studies/BSED ..........................................................History/Lib Arts
Social Work/BS .................................................................Social Work/H&HS
Spanish/BA, BSED ..........................................................For Lang & Anthropology/Lib Arts
Speech & Theatre Education/BSED .....................................Theatre & Dance/Lib Arts
Sport Management/BS ......................................................Health, Hum Perf & Rec/H&HS
Technology Management ..................................................(see Industrial Technology)
Telecomm & Computer Networking .....................................(see Industrial Technology)
Theatre & Dance/BA ..........................................................Theatre & Dance/Lib Arts
Television & Film ...............................................................(see Mass Communication)

BACHELOR OF ARTS DEGREE

Primarily for students who major in the arts, language, or literature; history and certain social sciences; often selected as a pre-professional degree by those who wish a broad education.

The areas from which majors must be chosen are:

Anthropology
Art
Chemistry
Options: Chemistry
DNA Analysis
Forensic Science
Communication Studies
English
Options: Literature
Writing
French
German
Global Studies
History
Mass Communication
Option: Journalism

Music
Philosophy
Political Science
Spanish
Theatre & Dance

ANTHROPOLOGY

36 Hour Major - Minor Required

Required Courses:
AN 101 Observing Other Cultures (3)
AN 180 Introductory Anthropology: Physical Anthropology & Archaeology (3)
AN 181 Intro to Cultural Anthropology (3)
AN 317 Ethnographic Field Methods (3)
AN 341 Intro Linguistic Anthropology (3)
AN 380 Human Evolution & Adaptation (3)
AN 382 Archaeology: Method & Theory (3)
AN 493 Anthropology Theory Sem:Cult Anthro/Linguistics (3)

CJ 526/MA 223/PY 271/SO 242/SW 242
Statistics Course (3)

Choose 9 Hours From:
AN 319 Archaeology Lab (3)
AN 355 Special Topics in Anthropology (3)
AN 375 Anthropology of Religion (3)
BI 300 Intro to Evolutionary Biology (3)
BI 352 General Ecology (3)
BI 381 Molecular Genetics (3)
EN 378 Grammars of English (3)
EN 486 Sociolinguistics (3)
FR 306 Contemporary France (3)
GN 320 German Culture and Civilization (3)
GO 340 Remote Sensing (3)
HP 410 Museum Studies (3)
PS 355 Less Developed Nations (3)
SN 300 Spanish American Culture (3)
SO 305 American Minority Relations (3)
UI 304 History and Culture of West Africa (3)
UI 308 Cultural and Physical Landscapes (3)
UI 326 Australian Culture (3)
UI 336 Religion in America (3)
UI 339 North American Indians (3)
UI 344 Plants and Humanity (3)
UI 345 Nonverbal Communication (3)
UI 350 Middle East Politics (3)
UI 352 Medical Ethics (3)
UI 362 Contemporary French Culture (3)
UI 375 European Film (3)
UI 401 American Cultural Landscapes (3)
UI 402 Music in World Cultures (3)
UI 501 Principles of Language (3)
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WH 440  Modern Middle East (3)
**Additional Requirement:**
xx xxx  12 Hours in One or Two Foreign Languages

**ART**

36-56 Hour Major

Minor Required
(see also Bachelor of Fine Arts degree)

**Required Courses:**
AR 001  Freshman Core Review (0)
AH 110  Art History Survey I (3)
AH 210  Art History Survey II (3)
AR 100  Drawing I (3)
AR 104  Design Foundations (3)
AR 106  3D Foundations (3)
AR 150  Structural Figure Drawing (3)
AR 201  Color Composition (3)
AR 325  Painting (3)
AR 332  Sculpture I (3)

**Choose 6 Hours Additional Art History Courses**
(300-500 level)

Choose up to 21 hours of art/art history electives.
Every year, two pieces of artwork must be entered in the Juried Student Assessment Exhibition.

**CHEMISTRY**

30 Hour Major

**Required Core Courses**
CH 185  General Chemistry I (5)
CH 186  General Chemistry II (3)
CH 187  Qualitative Analysis (2)
CH 271  Quantitative Analysis (4)
CH 310  Introduction to Physical Chemistry (5)
CH 341  Organic Chemistry I (4)
CH 342  Organic Chemistry Laboratory I (1)
CH 498  Professional Presentation in Chemistry (1)
UI 443  Professional Experience in Chemistry (3)

**Additional Requirements:** 13 hours
MA 139  Applied Calculus (3)
PH 120  Introductory Physics I (5)
PH 121  Introductory Physics II (5)

**Choose One Option:**

**CHEMISTRY OPTION – minor required**
Choose 2 Hours of Chemistry Electives (300 level or higher)

**DNA ANALYSIS OPTION – no minor required**
BI 154  Genetics & Cellular Biology (4)
BI 200  General Microbiology (3)
BI 245  Lab Methods in Biotechnology (3)
BI 381  Genetics (3)

BI 450  Molecular Biology (3)
CH 420  Forensic Chemistry (4)
MA 423  Stat Analysis for Forensic Sci (3)
UI 331  Biochemistry I (3)

**FORENSIC SCIENCE OPTION – no minor required**
CH 343  Organic Chemistry II (3)
CH 420  Forensic Chemistry (4)
CJ 100  Introduction to Criminal Justice (3)
CJ 350  Evidence Collection and Preservation (3)
FS 550  Crime Laboratory I: Microscopy (2)
FS 552  Crime Laboratory II: Blood and Fluids (2)

**Take one of the following courses:**
CH 575  Chemical Instrumentation (4)
OR
EV 460  Introduction to Toxicology (3)

**COMMUNICATION STUDIES**

30 Hour Major - Minor Required

**Required Courses:**
SC 105  Fund of Oral Communication (3)
OR
SC 155  Fund of Interpers Communication (3)
SC 200  Advanced Public Speaking (3)
SC 320  Group Comm & Decision-Making (3)
UI 345  Nonverbal Communication (3)
UI 425  Persuasion (3)
OR
SC 560  Organizational Communication (3)

**Choose 15 Hours from the Following:**
SC 160  Intercollegiate Debate (2)
SC 161  Intercollegiate Debate (2)
SC 215  Intercultural Communication (3)
SC 310  Speech Writing (3)
SC 314  Argumentation & Problem Solving (3)
SC 330  Corporate & Professional Comm (3)
SC 335  Interviewing (3)
SC 355  Relational Comm Strategies (3)
SC 400  Advanced Debate (3)
SC 406  Negotiation & Conflict Mgmt (3)
SC 463  Independent Study (3)
SC 482  Special Problems in Comm Studies (3)
SC 483  Internship in Speech Comm (3)
SC 505  Semnr/Criticism Amer Pub Address (3)
SC 510  Leadership & Team Building (3)
SC 560  Organizational Communication (3)
UI 301  Managerial Communication (3)
UI 423  Political Communication (3)
UI 425  Persuasion (3)
ENGLISH

36 Hour Major - Minor Required

Required Courses:

Choose 6 Hours From:
EN 201 Writing About Literature (3)
EN 275 Intro to Creative Writing (3)
EN 376 Advanced Composition (3)*
*Required for Writing option

Choose 9 Hours From:
LI 260 English Lit I (3)
LI 261 English Lit II (3)
LI 270 American Lit I (3)
LI 271 American Lit II (3)

Choose 3 Hours From:
LI 311 World Literature I (3)
LI 312 World Literature II (3)

Choose 3 Hours From:
EN 486 Sociolinguistics (3)
UI 500 History of the English Language (3)
UI 501 Principles of Language (3)

Choose One 15 Hour Option:

LITERATURE OPTION

Choose 3 Hours From:
LI 560 Chaucer (3)
LI 577 Studies in Early English Lit (3)
UI 431 Shakespeare Tragedies & Hum Cond (3)
UI 432 Shakespeare Hist/Comed & Hum Cond (3)

Choose 3 Hours From:
LI 476 Early Twentieth-Century British Literature (3)
LI 578 Studies in Later English Lit (3)
UI 341 Victorian Studies (3)

Choose 6 Hours From:
LI 320 African American Writers (3)
LI 421 Cross-Cultural Amer Voices (3)
LI 565 Southern Literature (3)
LI 568 19th Century American Novel (3)
LI 570 Modern/Contemp American Novel (3)
LI 571 Contemporary American Poetry (3)
LI 576 Am Fiction/21st Century (3)

Choose 3 Hours From:
LI 510 Literature & the Bible (3)
LI 572 The Modern Essay (3)
LI 574 Australian Literature (3)
LI 587 Women and Madness (3)
UI 332 Images of Women in Literature (3)

WRITING OPTION

Choose 3 Hours From:
EN 376 Advanced Composition*
EN 550 Style in Writing (3)
LI 572 The Modern Essay (3)
*Unless taken in the core

Choose 3 Hours From:
LI 421 Cross-Cultural Amer Voices (3)
LI 542 Literature for the Young Adult (3)
LI 565 Southern Literature (3)
LI 570 Modern/Contemp American Novel (3)
LI 571 Contemporary American Poetry (3)
LI 576 Am Fiction/21st Century (3)

Choose 3 Hours From:
EN 301 Writing for Science & Technology (3)
EN 311 Literary Manuscript Editing Practicum (3)
EN 435 Internship in English (3)
LI 301 Small Press Publishing (3)

Choose 3 Hours From:
EN 470 Advanced Creative Writing: Poetry (3)
EN 478 Advanced Creative Writing: Fiction (3)

Choose 3 additional hours writing course not taken above

Additional Requirements:
EN 001 Writing Portfolio (Writing Option)
LI 001 Literature Portfolio (Literature Option)
xx xxx 9 Hours in One or Two Foreign Languages
   (All Options)
OR
xx xxx 6 Hours in One Foreign Language

One of the following:
AN 341 Intro to Linguistic Anthropology (3)
EN 378 Grammars of English (3)
EN 486 Sociolinguistics (3)*
UI 500 History of the English Language (3)*
UI 501 Principles of Language (3)*
*If not taken elsewhere in the major

FRENCH

36 Hour Major - Minor Required

Required Courses:
FR 001 French Exit Exam (0)
FR 100 French Language & Culture I (3)
FR 120 French Language & Culture II (3)
FR 200 French Language & Culture III (3)
FR 220 French Literature (3)
FR 306 Contemporary France (3)
FR 320 French Pronunciation & Phonetics (3)

Choose 6 Hours From:
FR 311 Survey of FR, GN & SN Lit (3)
FR 311 Survey of French Literature II (3)
FR 415 17th Century French Literature (3)
FR 430 20th Century French Literature (3)

Choose 6 Hours From:
FR 301 Intermediate French Composition (3)
FR 305 Intermediate French Conversation (3)
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FR 315  Commercial French (3)
FR 330  French Grammar (3)

Choose 6 Hours of FL/FR Electives (300-500 level)

Additional Requirement:
Choose 3 Hours From:
EH 366  Age of French Rev & Napoleon (3)
EH 370  Europe in the 20th Century (3)
EH 514  History of Modern France (3)
FL 205  Art of French Cinema (3)
GG 170  European Peoples & Civilization (3)
UI 362  Contemporary French Culture (3)
UI 375  European Film (3)
WH 103  Modern European Civilization (3)

GERMAN

36 Hour Major - Minor Required

Required Courses:
GN 001  German Exit Exam (0)
GN 100  German Language & Culture I (3)
GN 120  German Language & Culture II (3)
GN 200  German Language & Culture III (3)
GN 220  German Literature (3)
GN 320  German Culture & Civilization (3)
Choose 6 Hours From:
FL 311  Survey of FR, GN & SN Lit (3)
GN 310  Survey of German Literature I (3)
GN 311  Survey of German Literature II (3)
GN 424  Twentieth-Century German Literature (3)
GN 440  Special Topics: German (3)
Choose 6 Hours From:
GN 301  Intermediate German Composition (3)
GN 305  Conversational German (3)
GN 315  Commercial German (3)
GN 330  German Grammar (3)
GN 340  German Phonetics & Pronunciation (3)
Choose 9 Hours of FL/GN Electives (300-500 level)

Additional Requirement:
Choose 3 Hours From:
AN 101  Observing Other Cultures (3)
AN 181  Intro to Cultural Anthropology (3)
AN 341  Intro to Linguistic Anthropology (3)
AN 390  European Prehistory (3)
EH 370  Europe in the 20th Century (3)
EH 516  History of Modern Germany (3)
EH 527  Intellectual History of Europe (3)
GG 170  European Peoples & Civilization (3)
UI 375  European Film (3)
WH 103  Modern European Civ (3)

GLOBAL STUDIES

45 Hour Major – No Minor Required

Required Courses:
AN 181  Intro to Cultural Anthropology (3)
GG 180  Cultural Geography (3)
PS 104  Comparative Political Systems (3)
PS 280  Intro to Global Studies (3)
UI 308  Cultural & Physical Landscapes (3)
UI 450  Capstone Experience (3)
WH 103  Modern European Civ II (3)

OR
GH 130  Latin American Civ (3)
xx xxx  Study Abroad/International Intern (3)

Choose One Option (21 Hours):

CHINESE OPTION:
CN 101  Beginning Chinese (3)
CN 102  Chinese II (3)
xx xxx  Approved elective (3)*
xx xxx  Study Abroad in China (12)
FRANCOPHONE OPTION:
FR 100  French Language & Culture I (3)
FR 120  French Language & Culture II (3)
FR 200  French Language & Culture III (3)
FR 220  French Literature (3)
FR 306  Contemporary France (3)
UI 362  Contemporary French Culture (3)
xx xxx  Approved elective (3)*
GERMANIC OPTION:
GN 100  German Language & Culture I (3)
GN 120  German Language & Culture II (3)
GN 200  German Language & Culture III (3)
GN 220  German Literature (3)
GN 320  German Culture & Civilization (3)
EH 516  History of Modern Germany (3)
xx xxx  Approved elective (3)*
HISPANIC OPTION:
SN 100  Spanish Language & Culture I (3)
SN 120  Spanish Language & Culture II (3)
SN 200  Spanish Language & Culture III (3)
SN 220  Hispanic Literature (3)
SN 300  Spanish American Culture (3)
SN 306  Civilization of Spain (3)
WH 520  Latin Am Colonial History (3)
OR
WH 524  History of Mexico Since 1810 (3)
xx xxx  Approved elective (3)*

JAPANESE OPTION:
JN 101  Japanese I (3)
JN 102  Japanese II (3)
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Bachelor of Arts Majors

HISTORY

39 Hour Major - Minor Required

Required Courses:
- GH 007  BA Portfolio Review (0)
- GH 315  Historiography (3)
- GH 415  Senior Seminar in History (3)

Choose 15 Senior Level Hours From:
- EH xxx  (6)
- US xxx  (6)
- WH xxx  (3)

Choose 6 Senior Level Hours From:
- EH, GH, US OR WH prefix courses (6)

Choose an additional 12 Hours of EH, GH, US, WH, HP 100, HP 200 or departmentally approved UI courses (Only 3 Hours UI courses can be counted on major)

Additional Requirement:
- xx xxx  6 Hours in ONE Foreign Language

Choose one of the following options:
- xx xxx  6 Hours in Foreign Language
- PY 271  Research Design and Analysis I (3)
- AND
- PY 370  Research Design and Analysis II (3)
- MA 134  College Algebra (3)
- AND
- MA 223  Elementary Prob & Statistics (3)
- OR
- CS 120  Intro to Computer Science (3)
- OR
- SO 242  Statistics for Social Scientists (3)

MASS COMMUNICATION: JOURNALISM OPTION

36 Hour Major - Minor Required

(A grade of ‘C’ or better is required for all courses within the major except MC 486 and MC 496 which are credit/no credit courses.)

Required Courses:
- MC 101  Mass Communication and Society (3)
- MC 201  Writing for the Mass Media (3)
- MC 301  Mass Communication Theory & Research (3)
- MC 320  Basic Journalism (3)
- MC 322  Publication Editing & Production (3)
- MC 324i  Magazine and Feature Writing (3)
- MC 401  Communication Law (3)
- MC 429  Advanced Journalism (3)

Choose 3 Hours From:
- UI 315  Electronics & Computers in Music (3)
- UI 392  The Age of Romanticism (3)
- UI 393  The Age of Modernism (3)

Choose one of the following:
- MC 425  Public Affairs Reporting (3)
- MC 426  Sportswriting (3)
- MC 427  Specialized Reporting (3)
- MC 428  Editorial Page (3)

Additional Requirements:
- MA 155  Statistical Reasoning (3)*
- UI 382  Hist & Phil of American Mass Media (3)*

NOTE: Of the 83 hours required outside of Mass Communication, 68 hours must be from traditional Arts and Sciences courses.

* A grade of ‘C’ or better is required in MA 155 and UI 382.

MUSIC

50-52 Hour Major - Minor Required

(A grade of ‘C’ or better is required for all courses within the major.)

Required courses for Instrumental & Vocal Options:
- MM 101  Theories of Music in Culture (3)
- MM 102  Basic Harmony & Form (3)
- MM 105  Aural Skills I (1)
- MM 106  Aural Skills II (1)
- MM 203  Adv Harmony, Form & Counterpoint (3)
- MM 204  Twentieth Century Techniques (3)
- MM 207  Aural Skills III (1)
- MM 208  Aural Skills IV (1)
- MH 251  History & Lit of Music to 1827 (3)
- MH 252  Evolution of Musical Style Since 1827 (3)
- MP 1xx  Applied Music (2)
- MP 2xx  Applied Music (2)
- MP 3xx  Applied Music (2)
- MU 001  Piano Proficiency (0)
- MU 002  Sophomore Review (0)
- MU 110  Recitals & Concerts(six semesters) (0)
- MU 151  Functional Piano I (1)
- MU 152  Functional Piano II (1)
- MU 253  Functional Piano III (1)
- MU 254  Functional Piano IV (1)
- MU 3xx  Instrumental or Vocal Ensemble (6)
- UI 310  American Music Experience (3)
- UI 402  Music in World Cultures (3)

Choose 3 Hours From:
- UI 315  Electronics & Computers in Music (3)
- UI 392  The Age of Romanticism (3)
- UI 393  The Age of Modernism (3)
Bachelor of Arts Majors

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UI 394  Music & Culture: 1600-1750 (3)
UI 396  The Age of Beethoven (3)
UI 397  Music in Medieval & Renaissance Culture (3)

Additional Required Course for Vocal Option:
MU 114  Singer's Diction (2)

Additional Requirement for all BA Music majors:
xx xxx  6 Hours in ONE Foreign Language

PHILOSOPHY

31 Hour Major - Minor Required

Required Courses:
PL 120  Symbolic Logic I (3)
OR
PL 330  Symbolic Logic II (3)
PL 203  Aesthetics and The Arts (3)
OR
PL 204  Ethical Theory (3)
OR
PL 245  Social & Political Philosophy (3)
PL 300  Ancient Philosophy (3)
PL 310  Modern Philosophy (3)
PL 390  Contemporary Philosophy (3)
PL 400  Seminar: Topics in Philosophy (3)
PL 450  Seminar: Meths & Movmts in Philosophy (3)
PL 481  Practicum (1)

Choose 9 Hours of PL or Departmentally Approved UI Courses (At least one course must be 300-400 level)

POLITICAL SCIENCE

30 Hour Major - Minor Required

Required Courses:
PS 001  Senior Assessment (0)
PS 103  United States Political Systems (3)
OR
PS 104  Comparative Political Systems (3)
PS 240  Intro to Political Science (3)
PS 470  Politics of the Developed World (3)

Choose 21 Hours From the Following Categories:
(3 Hours from Each Category plus 6 Additional Hours)

American Government & Politics
PS 310  Govt & Politics in American States (3)
PS 355  Less Developed Nations (3)
PS 377  Gov & Pol of East Asia (3)
PS 387-389 Independent Study in Poli Sci (1-3)
PS 460  Govt & Politics West Europe (3)
UI 350  Middle East Politics (3)

International Politics
PS 280  Intro to Global Issues (3)
PS 335  American Foreign Policy (3)
PS 380  International Organizations (3)
PS 387-389 Independent Study in Poli Sci (1-3)
PS 580  International Politics (3)
PS 595  International Law (3)
UI 322  International Political Economy (3)

Public Administration
PI 381-383 Internship in Political Science (1-3)
PS 230  American Public Policy (3)
PS 384-386 Internship in Political Science (3)
PS 387-389 Independent Study in Poli Sci (1-3)
PS 402  Fundamentals of Public Admin (3)
PS 403  Public Personnel Admin (3)
PS 405  Org Theory/Behavior (3)
PS 415  Government Budgeting Process (3)
PS 418  Public Policy Analysis (3)
PS 425  Administrative Law & Procedure (3)

Political Theory
PS 387-389 Independent Study in Poli Sci (1-3)
UI 342  Modern Political Thought (3)
UI 357  Early American Political Thought (3)
UI 358  Foundations of Political Thought (3)
UI 361  Contemporary Political Theory (3)

Additional Requirement:
xx xxx  12 Hours in ONE Foreign Language

SPANISH

36 Hour Major - Minor Required

Required Courses:
SN 001  Spanish Exit Exam (0)
SN 100  Spanish Language & Culture I (3)
SN 120  Spanish Language & Culture II (3)
SN 200  Spanish Language & Culture III (3)
SN 220  Hispanic Literature (3)
SN 300  Spanish American Culture (3)
SN 306  Civilization of Spain (3)

Choose 6 Hours From:
FL 311  Survey of FR, GN & SN Lit (3)
SN 403  Survey of Spanish Literature I (3)
SN 404  Survey of Spanish Literature II (3)
SN 430  Spanish American Literature I (3)
SN 435  Spanish American Literature II (3)
Choose 6 Hours From:
SN 301  Intermediate Spanish Composition (3)
SN 305  Intermediate Spanish Conversation (3)
SN 316  Commercial Spanish (3)
SN 330  Spanish Grammar (3)

Choose 6 Hours of FL/SN Electives (300-500 level)

Additional Requirement:
Choose 3 Hours From:
AN 101  Observing Other Cultures (3)
AN 181  Intro to Cultural Anthropology (3)
AN 341  Intro to Linguistic Anthropology (3)
AN 360  Ancient Civ of Meso-America (3)
EH 370  Europe in the 20th Century (3)
GH 125  Islamic Civilization (3)
GH 130  Latin American Civilization (3)
UI 375  European Film (3)
WH 520  Latin Am Colonial History (3)
WH 524  Hist of Mexico Since 1810 (3)

THEATRE AND DANCE

48 Hour Major - Minor Required

Required Courses:
TH/DA  105 Rehearsal & Production (2)
TH 155  Makeup (3)
TH 218  Acting I (3)
TH 231  Stagecraft I (3)
TH 251  Costume Construction (3)
TH/DA 305 Rehearsal & Production (6)
TH 381  Script Analysis (3)
OR
DA 280  Movement Analysis (3)
TH 385  Directing I (3)
OR
DA 380  Choreography I (3)
DA 490  Dance History (3)
OR
TH 490  Theatre History I (3)
TH 495  Theatre History II (3)
OR
DA 430  Principles of Teaching Dance (3)

Choose One Area of Emphasis:

Theatre Emphasis
Select 3 Credits from:
TH 265  Drawing for the Theatre (3)
TH 316  Acting II (3)

Select 13 Hours from:
TH 122  Class Voice for Musical Theatre I (3)
TH 219  Auditioning (1)
TH 222  Class Voice/Mus Theatre II (2)
TH 318  Musical Theatre Performance I (3)
TH 319  Acting for Film and Television (3)
TH 321  Stage Combat I (3)
TH 322  Class Voice/Mus Theatre III (2)
TH 331  Stagecraft II (3)
TH 350  Stage Lighting I (3)
TH 351  Costume Design I (3)
TH 361  Scene Painting (3)
TH 371  Scenic Design I (3)
TH 375  Theatre Management (3)
TH 381  Script Analysis (3)
TH 386  Sound Design (3)
TH 395  Period & Style (3)
TH 416  Acting III (3)
TH 418  Musical Theatre Performance II (3)
TH 431  Stage Combat II (3)
TH 450  Stage Lighting II (3)
TH 451  Costume Design II (3)
TH 471  Scenic Design II (3)
TH 485  Directing II (3)

Dance Emphasis
Select 16 credits (12 of which must be from upper level courses) from:
DA 211  Ballet I (2)
DA 221  Modern Dance I (2)
DA 226  Jazz Dance I (2)
DA 236  Tap Dance I (2)
DA 311  Ballet II(2)
DA 321  Modern Dance II (2)
DA 326  Jazz Dance II (2)
DA 336  Tap Dance II (2)
DA 411  Ballet III (2)
DA 421  Modern Dance III (2)
DA 426  Jazz Dance III (2)
DA 436  Tap Dance III (2)

Additional Requirement:
UI 384  History of the Musical (3)

OR
UI 433  Aesthetics of Movement (3)
BACHELOR OF FINE ARTS DEGREE

The Bachelor of Fine Arts degree is offered in the areas of Art (Department of Art) and Performing Arts (Department of Theatre and Dance). Music Performance is offered under the Bachelor of Music degree (Department of Music) p. 121.

The areas from which majors must be chosen are:

Art
Performing Arts

ART

A 3.0 grade point average in the major must be maintained.

80 Hour Major - No Minor Required

Required Courses:

AH 110 Art History Survey I (3)
AH 210 Art History Survey II (3)
AR 001 Foundation Core Review (0)
AR 100 Drawing I (3)
AR 104 Design Foundations (3)
AR 106 3D Foundations (3)
AR 150 Structural Figure Drawing (3)
AR 201 Color Composition (3)
AR 202 Drawing II: Human Figure (3)
OR
AR 319 Intro to Graphic Design (3)
AR 302 Printmaking (3)
OR
AR 303 Screenprinting (3)
OR
AR 501 Intaglio Printmaking (3)
OR
AR 502 Lithography Printmaking (3)
AR 325 Painting (3)
AR 330 Fibers I (3)
AR 332 Sculpture I (3)
AR 342 Ceramics (3)

Choose 6 additional hours of Art History courses (300-500 level)

Concentration & Elective Art Courses (35)

Studio majors select 18 departmentally approved credit hours in one of the following specialized areas: Painting; Drawing; Printmaking; Sculpture; Ceramics; Fibers; Graphic Design; or Three Dimensional Computer Imaging/Animation.

All concentration majors choose a minimum of 17 departmentally approved elective credit hours.

PERFORMING ARTS

74-75 Hour Major – No Minor Required

(A grade of "C" is required in each course within the BFA-Performing Arts major. Students must maintain a 3.0 gpa in the major.)

All students wishing to advance in level will be required to successfully complete an annual jury as arranged by department faculty.

Required Courses:

TH/DA 105 Rehearsal & Production (2)
TH 155 Makeup (3)
TH 218 Acting I (3)
OR
TH 101 Acting for Non-Majors (3)*
TH 231 Stagecraft I (3)
OR
MM 101 Theories of Music in Culture (3)
TH 251 Costume Construction (3)
OR
TH 107 Theory Skills & Anls for Mus Theatre (3)
TH/DA 305 Rehearsal & Production (6)
TH 381 Script Analysis (3)
OR
DA 280 Movement Analysis (3)
TH 385 Directing I (3)
OR
DA 380 Choreography I (3)
OR
TH 307 Musical Theatre Score Study (3)
TH/DA 498 BFA Project (2)
TH/DA 499 Internship (4)
OR
DA 495 Dance Ensemble (4)
TH 490 Theatre History I (3)
OR
DA 490 Dance History (3)

*Option only for Dance & Design/Technology Emphasis

Choose One Option:

ACTING/DIRECTING OPTION (40 Hours)

TH 122 Class Voice for Musical Theatre I (3)
TH 219 Auditioning (1)
TH 316 Acting II (3)
TH 319 Acting for Film & Television (3)
TH 321 Stage Combat I (3)
TH 416 Acting III (3)
TH 431 Stage Combat II (3)
TH 485 Directing II (3)
TH 495 Theatre History II (3)
Choose 15 hours
(9 hours must come from 300-400 level courses):
DA 130  Ballroom Dance (1)
DA 146  Swing Dance (1)
DA 186  Beginning Jazz Dance (1)
DA 211  Ballet I (2)
DA 221  Modern Dance I (2)
DA 226  Jazz Dance I (2)
DA 236  Tap Dance I (2)
DA 311  Ballet II (2)
DA 321  Modern Dance II (2)
DA 326  Jazz Dance II (2)
DA 336  Tap Dance II (2)
DA 411  Ballet III (2)
DA 421  Modern Dance III (2)
DA 426  Jazz Dance III (2)
DA 436  Tap Dance III (2)
TH 222  Class Voice for Musical Theatre II (3)
TH 318  Musical Theatre Performance I (3)
TH 322  Class Voice for Musical Theatre III (3)
TH 375  Theatre Management (3)
TH 418  Musical Theatre Performance II (3)

Additional Requirement:
UI 384  History of the Musical (3)

DANCE OPTION
(40 Hours)
DA 211  Ballet I (2)
DA 221  Modern Dance I (2)
DA 226  Jazz Dance I (2)
DA 236  Tap Dance I (2)
DA 311  Ballet II (2)
DA 321  Modern Dance II (2)
DA 326  Jazz Dance II (2)
DA 336  Tap Dance II (2)
DA 430  Principles of Teaching Dance (3)

Choose 18 hours:
DA 411  Ballet III (2)*
DA 421  Modern Dance III (2)*
DA 426  Jazz Dance III (2)*
DA 436  Tap Dance III (2)*
DA 485  Choreography II (3)
*May be repeated for credit.

Choose 3 hours:
TH 350  Stage Lighting I (3)
TH 351  Costume Design I (3)

Additional Requirement:
UI 435  Aesthetics of Movement (3)

DESIGN/TECHNOLOGY OPTION
(39 Hours)
TH 265  Drawing for the Theatre (3)
TH 331  Stagecraft II (3)
TH 350  Stage Lighting I (3)
TH 351  Costume Design I (3)
TH 361  Scene Design I (3)
TH 371  Scenic Design I (3)
TH 375  Theatre Management (3)
TH 386  Sound Design (3)
TH 395  Period & Style (3)
TH 450  Stage Lighting II (3)
TH 451  Costume Design II (3)
TH 471  Scenic Design II (3)
TH 495  Theatre History II (3)

MUSICAL THEATRE OPTION
(40 Hours)
TH 219  Auditioning (1)
TH 222  Class Voice for Musical Theatre II (3)
TH 316  Acting II (3)
TH 318  Musical Theatre Performance I (3)
TH 321  Stage Combat I (3)
TH 322  Class Voice for Musical Theatre III (3)
TH 416  Acting III (3)
TH 418  Musical Theatre Performance II (3)

Choose 18 Hours from (8 hours must be 300-400 level):
DA 130  Ballroom Dance (1)
DA 146  Swing Dance (1)
DA 186  Beginning Jazz Dance (1)
DA 211  Ballet I (2)
DA 226  Jazz Dance I (2)
DA 236  Tap Dance I (2)
DA 326  Jazz Dance II (2)
DA 336  Tap Dance II (2)
DA 426  Jazz Dance III (2)
DA 436  Tap Dance III (2)
MM 105  Aural Skills I (1)
MM 106  Aural Skills II (1)
MU 151/152 Functional Piano I & II (2)
MU 394  University Choir (2)
MU 389  Choral Union (2)
TH 122  Class Voice for Musical Theatre (3)
TH 431  Stage Combat II (3)
BACHELOR OF GENERAL STUDIES DEGREE

Allows individual structuring of a degree program without requiring major or minor fields; University Studies requirements must be completed. In addition to completing this program through traditional face-to-face courses, the Bachelor of General Studies degree may also be completed through the Southeast regional campuses or Southeast Online.

Minimum Degree Requirements 120 Hours
University Studies Requirements 51 Hours
300-500 Level Courses Required 39 Hours

BACHELOR OF SCIENCE DEGREE

Primarily for students entering various scientific fields. The areas from which majors must be chosen are:

Agribusiness
   Options: Agriculture Industry
   Animal Science
   Horticulture
   Plant & Soil Science

Athletic Training

Biology
   Options: Biomedical Sciences
   General Biology
   Marine Biology
   Microbiology, Cellular & Molecular Biology & Biotechnology
   Organismal, Ecological, & Evolutionary Biology
   Wildlife and Conservation Biology

Chemistry
   Options: ACS Certified Chemistry
   Chemistry
   Biochemistry
   Business
   Forensic Chemistry

Communication Disorders

Computer Information Systems

Computer Science

Corporate Communication

Criminal Justice
   Options: Corrections
   Law Enforcement
   Security Management

Economics

Engineering Physics
   Options: Computer Applications
   Electrical Applications
   Mechanical & Manufacturing Systems

Engineering Technology
   Options: Electrical & Control
   Mechanical & Manufacturing Systems

Environmental Science

Health Management
   Options: Exercise Science
   Health Promotion

Historic Preservation

Hospitality Management

Human Environmental Studies
   Options: Child Development
   Dietetics
   Family Studies
   Fashion Merchandising
   Interior Design

Industrial Technology
   Options: Computer & Multimedia Graphics
   Construction Management and Design
   Facilities Management
   Industrial Management
   Technology Management
   Telecommunication & Computer Networking

Interdisciplinary Studies

Mass Communication
   Options: Advertising
   Public Relations
   Radio
   Television & Film

Mathematics:
   Options: Pure Mathematics
   Applied Mathematics & Statistics

Medical Technology

Physics

Political Science

Psychology

Recreation

Social Work

Sport Management
AGRICULTURE

67-70 Hour Major - No Minor Required

Required Courses:
AC 221  Principles of Accounting I (3)
AD 101  Intro to Microcomp Appl (3)
AG 245  Agricultural Economics (3)
AG 250  Agribusiness Management (3)
AG 334  Agribusiness Finance (3)
AG 355  Agriculture Seminar (1)
AG 447  Mkgt of Agri Products (3)
AG 465  Agriculture Internship (3-6)
OR
AG 469  Undergrad Research (3)
AG 470  Agribusiness Sales (3)
AO 120  Plant Science (3)
AO 125  Plant Science Lab (1)
AY 101  Animal Science (3)
HO 130  Plant ID & Use I (3)
UI 436  Agricultural Ethics (3)

Additional Requirements (8 hours):
CH 181  Basic Princ of Chemistry (5)
OR
CH 185  General Chemistry I (5)
MA 134  College Algebra (3)

Choose One of the Following Options (30 Hours):

AGRICULTURE INDUSTRY
30 hours by advisement based on student plans/background, selected from AG, AO, AY, HO prefix courses or may include AAS Agriculture degree courses transferred to Southeast.

ANIMAL SCIENCE
AY 105  Animal Science Experience (2)
AY 205  Horse Science (3)
AY 304  Princ of Animal Nutrition (3)
AY 305  Advanced Horse Science (3)
AY 311  Animal Breeding (3)
AY 405  Beef Production (3)
AG, AO, AY, HO prefix courses (15)

HORTICULTURE
AO 215  Soils (3)
AO 260  Integrated Pest Mgmt (3)
AO 323  Plant Pathology (3)
HO 230  Advanced Horticulture (3)
HO 330  Landscape Design & Maint (3)
HO 342  Fruit & Vegetable Production (3)
HO 350  Greenhouse Mgt (3)
HO 430  Turfgrass Management (3)
HO 431  Landscape Inst/Maint (3)
HO 464  Advanced Horticulture (3)

PLANT AND SOIL SCIENCE

AG 440  Precision Agriculture (3)
AO 215  Soils (3)
AO 260  Integrated Pest Mgmt (3)
AO 323  Plant Pathology (3)
AO 327  Sustainable Agriculture (3)
AO 401  Ag & Natural Resource Mgmt (3)
AO 420  Crop Physiology (3)
AO 427  Soil Fertility & Plant Nutrtn (3)
AO 444  Prin of Plant Breeding (3)
AO 480  Crop Production (3)
AY 105  Animal Science Experience (2)

ATHLETIC TRAINING

76 Hour Major - No Minor Required
(See Admission to Athletic Training criteria under Admissions, page 10.)

Required Courses:
FN 235  Nutrition for Health (3)
FN 530  Pathophysiology (3)
HL 111  Intro to Health Management (3)
HL 120  Health Perspectives (3)
HL 231  Fitness Conditioning (3)
HL 251  Intro to Athletic Injuries (3)
HL 263  Sports Injury Management (3)
HL 265  Therapeutic Modalities (4)
HL 280  Basic Skills in Athletic Training (1)
HL 281  Practicum in Athletic Training I (1)
HL 282  Practicum in Athletic Training II (1)
HL 303  Research Methods (3)
HL 312  Sport and Exercise Pharmacology (3)
HL 321  Advanced Injury Assessment I (3)
HL 322  Advanced Injury Assessment II (3)
HL 323  Advanced Injury Assessment III (3)
HL 321/031 Exercise Physiology (3)
HL 345  Resistance Training Principles and Practices (3)
HL 383  Practicum in Athletic Training III (1)
HL 384  Practicum in Athletic Training IV (1)
HL 444  Rehab of Sports Injuries (3)
HL 472  Admin of Athletic Training (3)
HL 480  Seminar in Athletic Training (2)
HL 499  Athletic Training Internship (6)

Additional Requirements: 14-20 Hours
BS 113/013 Anatomy & Physiology I (4)
BS 114/014 Anatomy & Physiology II (4)
CH 180  Chemistry in Our World (3)
OR
CH 181  Basic Principles of Chemistry (5)
MA 134  College Algebra (3)
PH 106  Physical Concepts (3)
PY 101  Psych Perspect/Human Behav (3)
BIOLOGY

47 hour Major - No minor required

Required Courses:
- BI 151 Biological Reasoning (3)
- BI 152 Intro to Scientific Investigation (1)
- BI 153 Intro to Organismal Biology (4)
- BI 154 Genetics and Cell Biology (4)
- BI 489 Analysis of Biological Issues (2)
- BI 4xx or 5xx Experiential Learning (2)
- CH 185/085/005 General Chemistry I (5)
- MA 134 College Algebra (3)

Choose One of the Following Options

BIOMEDICAL SCIENCES
- BI 381 Molecular Genetics (3)
- ZO 331 Animal Physiology (3)

Any BI, BO, ZO, BT courses, at least 10 credits 300 level and above (17)

Additional Requirements: 23-25
- Any additional Math course not in University Studies (3-5)
- CH 186 General Chemistry II (3)
- CH 187 Qualitative Analysis (2)
- CH 341/342 Organic Chemistry I & Lab (5)
- PH 120 Introductory Physics I (5)
- PH 121 Introductory Physics II (5)

GENERAL BIOLOGY*

Choose 3 hours from this list:
- BI 445 Microbial Physiology (3)
- BO 445 Plant Physiology (3)
- ZO 331 Animal Physiology (3)

Choose 3 hours from this list:
- BI 200 General Microbiology (3)
- BI 381 Molecular Genetics (3)
- BI 404 Cell Biology (3)
- BI 414 Problems in Cell & Molecular Biology (3)
- BI 441 Virology (3)
- BI 442 Immunology (3)
- BI/BO BT 450 Inv. Molecular Biology & Biotechnology (3)
- BI 543/544 Pathogenic Microbiology and Lab (3)

Choose 3 hours from this list:
- BI 332 General Ecology (3)
- BI 420 Prin. Wildlife Management (3)
- BI 430 Management of Wildlife Habitat (3)
- BI 435 Conservation Biology (3)
- BI 440 Ecology & Management of Wetlands (3)
- BI 443 Epidemiology (3)
- BI 452 Limnology (3)
- BI 460 Intro to Toxicology (3)
- BI 469 Wildlife Toxicology (3)

Choose 3 hours from this list:
- BO 200 Plant Biology (3)
- BO 361 Systematic Botany (3)
- BO 461 Native Aquatic Plants (3)
- BO 469 Field Botany (2)
- ZO 200 Animal Biology (3)
- ZO 441 Parasitology (3)
- ZO 459 Mammalogy (3)
- ZO 460 Herpetology (3)
- ZO 465 Entomology (3)
- ZO 466 Ornithology (3)
- ZO 469 Vertebrate Adaptations (3)
- ZO 478 Ichthyology (3)

Any BI, BO, ZO courses at 300 level and above (11)

Additional Requirements: 6-8
- Any additional Math course not in University Studies (3-5)
- CH 186 General Chemistry II (3)
- *20 hours of biology courses must be 300 level or above; 6 hours must have BO prefix; 6 hours must have ZO prefix; and 3 hours must be from BI 200, BI 441, BI 443, BI 445,, BI 543/544, or any approved by advisor.

MARINE BIOLOGY

Choose 3 hours from this list:
- BI 200 Microbiology (3)
- BO 200 Plant Biology (3)

Choose 6 hours of electives:
- BO/BO/BT/ZOxxx 300 level or above
- BI 540/541 Marine Microbiology (5)
- BI 573-578 Special Topics (1-6)
- BI 573-578 Special Topics (1-6)
- BO 500/505 Marine Phycology (4)
- BO 561/562 Salt Marsh Plant Ecology (4)
- BO 563/564 Coastal Vegetation (3)
- ZO 510/511 Comp Histly/ Marine Org (6)
- ZO 540/541 Parasites/Marine Mammals (6)
- ZO 552/553 Marine Fisheries Mgmt (4)
- ZO 554/555 Marine Aquaculture (6)
- ZO 559/560 Marine Mammals (5)
- ZO 563/566 Fauna/Faunistic Ecol/Tidal Marshes (5)
- ZO 564/574 Marine Ichthyology (6)
- ZO 565/567 Early Life History of Marine Fishes (4)
### Non-Biology Requirements:
- **PH 120**  Introductory Physics I (5)
- **CH 186**  General Chemistry II (3)
- **CH 341/342**  Organic Chemistry I/Lab (5)
- **GO 320**  Oceanography (3)

**One additional math course not in University Studies (3)**

*A minimum of 3 hours must be taken from the Gulf Coast Research Laboratory or comparable institution or the equivalents listed.

### Microbiology, Cellular and Molecular Biology, and Biotechnology
- **BI 200**  General Microbiology (3)
- **BI 245**  Lab Methods in Biotechnology (3)
- **BI 381**  Molecular Genetics (3)

**Choose 6 hours from this list:**
- **BI 404**  Cell Biology (3)
- **BI 414**  Prob. in Cell & Molecular Biology (3)
- **BI 441**  Virology (3)
- **BI 442**  Immunology (3)
- **BI 443**  Epidemiology (3)
- **BI 445**  Microbial Physiology (3)
- **BI/BT 450**  Inv. Molecular Biology & Biotechnology (3)
- **BI 460**  Intro. to Toxicology (3)
- **BI 543**  Pathogenic Microbiology (2)
- **BI 544**  Pathogenic Microbiology Lab (1)
- **BO 445**  Plant Physiology (3)
- **ZO 331**  Animal Physiology (3)
- **ZO 414**  Developmental Biology (3)
- **ZO 441**  Parasitology (3)

**Any BI, BO, ZO, BT courses, 300 level and above (8)**

**Additional Requirements: 14-16**
- Any additional Math course not in University Studies (3-5)
- **CH 186**  General Chemistry II (3)
- **CH 341/342**  Organic Chemistry I & Lab (5)
- **UI 331**  Biochemistry (3)

### Organismal, Ecological, and Evolutionary Biology
- **BI 300**  Intro to Evolutionary Biology (3)
- **BI 332**  General Ecology (3)
- **BO 200**  Plant Biology (3)
- **ZO 200**  Animal Biology (3)

**Any BI, BO, ZO, BT courses, 300 level and above (11)**

**Additional Requirements: 6-8**
- **UI 373**  Earth/Life Through Time (3)
- **MA 139**  Applied Calculus (3)

**OR**
- **MA 140**  Calculus (5)

**OR**
- **MA 223**  Probability and Statistics (3)

### WILDLIFE AND CONSERVATION
- **BI 332**  General Ecology (3)
- **BO 200**  Plant Biology (3)
- **ZO 200**  Animal Biology (3)

**Choose two of the following:**
- **BI 420**  Management of Wildlife Populations (3)
- **BI 430**  Management of Wildlife Habitat (3)
- **BI 435**  Conservation Biology (3)
- **BI 440**  Ecology and Management of Wetlands (3)
- **BI 452**  Limnology (3)
- **BI 469**  Wildlife Toxicology (3)
- **BI 471-473**  Internship (1-3)
- **BI 493**  Readings in Biology (2)
- **BI 551/553**  Biology Field Studies (1/3)
- **BI 589-591**  Biological Research (1-3)
- **BO 361**  Systematic Botany (3)
- **BO 420**  Ethnobotany (3)
- **BO 445**  Plant Physiology (3)
- **BO 461**  Native Aquatic Plants (3)
- **BO 469**  Field Botany (2)
- **ZO 420**  Animal Behavior (3)
- **ZO 441**  Parasitology (3)
- **ZO 459**  Mammalogy (3)
- **ZO 460**  Herpetology (3)
- **ZO 465**  Entomology (3)
- **ZO 466**  Ornithology (3)
- **ZO 469**  Vertebrate Adaptations (3)
- **ZO 478**  Ichthyology (3)

**Additional Requirements: 6-8**
- **GO 110**  Physical Geology (3)
- **MA 139**  Applied Calculus (3)

**OR**
- **MA 140**  Calculus (5)

**OR**
- **MA 223**  Elementary Probability and Statistics (3)

### CHEMISTRY

38 Hour Major-No Minor Required

**Required Core Courses**
- **CH 185**  General Chemistry I (5)
- **CH 186**  General Chemistry II (3)
- **CH 187**  Qualitative Analysis (2)
- **CH 271**  Quantitative Analysis (4)
- **CH 311**  Physical Chemistry I (4)
- **CH 312**  Physical Chemistry II (3)
Bachelor of Science Majors
Southeast Missouri State University 2009-10

CH 313  Physical Chemistry Laboratory (3)
CH 341  Organic Chemistry I (4)
CH 342  Organic Chemistry Laboratory I (1)
CH 343  Organic Chemistry II (3)
CH 344  Organic Chemistry Laboratory II (2)
CH 498  Professional Presentation in Chemistry (1)
UI 443  Professional Experience in Chemistry (3)

Additional Requirements: 22 hours
MA 140  Analytical Geometry and Calculus I (5)
MA 145  Analytical Geometry and Calculus II (4)
MA 240  Analytical Geometry and Calculus III (3)
PH 120  Introductory Physics I (5)
AND
PH 121  Introductory Physics II (5)
OR
PH 230  General Physics I (5)
AND
PH 231  General Physics II (5)

Choose One Of The Following Options:
ACS CERTIFIED CHEMISTRY
CH 531/UI 331 Biochemistry I (3)
CH 563  Inorganic Chemistry (4)
CH 575  Chemical Instrumentation (4)

Additional Requirements: One or two additional courses, which must include a two credit-hour lab component, chosen from the following:
CH 391  Undergraduate Research (1)
CH 392  Undergraduate Research (2)
CH 447  Adv 1&2 Dim NMR Techniques (3)
CH 533  Biochemistry Lab (2)
CH 545  Organic Preps and Characterization (3)
CH 565  Inorganic Preps (2)

BIOCHEMISTRY
CH 531/UI 331 Biochemistry I (3)
CH 532  Biochemistry II (2)
CH 533  Biochemistry Laboratory (2)
BI 154  Genetics & Cellular Biology (4)
BI 200  General Microbiology (3)
BI 381  Genetics (3)
BI 404  Cell Biology (3)

BUSINESS**
AC 221  Principles of Accounting I (3)
AC 222  Principles of Accounting II (3)
IS 175  Information Systems I (3)
EC 215  Principles of Microeconomics (3)
EC 225  Principles of Macroeconomics (3)
FI 361  Financial Management (3)
QM 257  Business Statistics (3)
OR
MA 223  Elementary Probability and Statistics (3)
MG 301  Management and Organizational Behavior (3)
MI 375  Management Information Systems (3)
MK 301  Principles of Marketing (3)

**Upon completion of the B.S. in Chemistry (Business Option), students may apply directly to the MBA program at Southeast. For more information about the MBA degree program, contact the MBA office in the Robert A. Dempster Hall at Southeast Missouri State University.

CHEMISTRY
Chemistry Elective (300 level or higher) (3-4)
Select from at least one of the following courses:
CH 350/EV 350 Environmental Chemistry (3), CH 420 Forensic Chemistry (4), CH 447 Adv 1&2 Dim NMR Techniques (3), CH 531/UI 331 Biochemistry (3), CH 545 Organic Preparations and Characterization (3), CH 563 Inorganic Chemistry (4), CH 575 Chemical Instrumentation (4)

FORENSIC CHEMISTRY
CH 420  Forensic Chemistry (4)
CH 575  Chemical Instrumentation (4)
CJ 350  Evidence Collection and Preservation (3)
MA 423  Statistical Analysis for Forensic Science (3)
UI 331  Biochemistry (3)
OR
EV 460  Introduction to Toxicology (3)

COMMUNICATION DISORDERS
35 Hour Major - Minor Required
(See Admission to Communication Disorders Program criteria under Admissions, page 11)

Required Courses:
CD 211  Anat & Physiology/Speech Mechanism (4)
CD 225  Phonetics (4)
CD 230  Intro to Communication Disorders (4)
CD 340  Normal Speech/Language Development (3)
CD 371  Anat & Physiology/Hearing Mechanism (3)
CD 402  Clinical Practicum/Comm Disorders (3)
CD 406  Service Delivery in Comm Disorders (4)
CD 411  Nature Assmt/Intrvntn Spch/Lang Disorders (4)
CD 426  Hearing Disorders: Audiological Assmt (3)

Choose one of the following:
CD 510  Multicultural Issues in Comm Disorders (3)
CD 525  Aural Rehabilitation (3)
CD 541  Fluency Disorders (3)

Additional Requirements:
BS 107  Investigations in Biology (3)
EN 140  Rhetoric & Critical Thinking (3)
MA 134  College Algebra (3)
PS 103  U.S. Political Systems (3)
PY 101  Psych Perspect on Human Behavior (3)
SC 105  Fund of Oral Communication (3)
US 105  American History I (3)

OR
US 107  American History II (3)

Choose One of the Following:
MA xxx  Additional Math course (above MA 134) (2-3)
PL 120  Symbolic Logic (3)
PY 271  Research Design & Analysis (3)

Choose One of the Following:
CH 180  Chemistry in Our World (3)
PH 106  Physical Concepts (3)

Choose One of the Following:
CD 110  Language Culture of Deaf (3)
SO 102  Society, Culture & Social Behavior (3)

NOTE: State and national certification in speech-language pathology (American Speech-Language-Hearing Association and Missouri Department of Elementary and Secondary Education) requires that applicants complete a core of courses in the humanities, professional education, biological/physical sciences, mathematics, behavioral and social sciences. Students should work closely with a departmental advisor in selecting appropriate University Studies and professional education courses which meet these certification requirements.

COMPUTER INFORMATION SYSTEMS

58-60 Hour Major - Minor Required

Required Courses:
CS 003  Computer Science Assessment (0)
CS 155  Computer Science I (4)
CS 245  Discrete Structures I (3)
CS 265  Computer Science II (4)
CS 280  Computer Systems (3)
CS 300  Computer Science III (4)
CS 315  C & the Unix Environment (3)
CS 331  Applications Programming (3)
CS 440  Database (3)
CS 445  Software Engineering I (3)
CS 480  Data Communications (3)
CS 495  Senior Seminar (1)
IS 130  Visual Basic Programming I (3)
IS 175  Information Systems I (3)
IS 275  Information Systems II (3)
MA 139  Applied Calculus (3)

OR
MA 140  Analytical Geom & Calc I (5)
MA 223  Probability & Statistics (3)
UI 450  Capstone Experience (3)

Choose 6 hours CS or IS prefix courses (300-500 level)

COMPUTER SCIENCE

79 Hour Major - No Minor Required

Required Courses:
CS 003  Computer Science Assessment (0)
CS 155  Computer Science I (4)
CS 245  Discrete Structures I (3)
CS 265  Computer Science II (4)
CS 280  Computer Systems (3)
CS 300  Computer Science III (4)
CS 315  C & the Unix Environment (3)
CS 331  Applications Programming (3)
CS 345  Discrete Structures II (3)
CS 350  Analysis of Algorithms (3)
CS 380  Operating Systems (3)
CS 390  Programming Languages (3)
CS 440  Database (3)
CS 445  Software Engineering I (3)
CS 480  Data Communications (3)
CS 495  Senior Seminar (1)
MA 140  Analytic Geometry & Calculus I (5)
MA 145  Analytic Geometry & Calculus II (4)
MA 223  Probability & Statistics (3)
MA 345  Linear Algebra (3)
UI 450  Capstone Experience (3)

Choose 3 hours CS prefix courses (300-500 level)

Choose 12 hours of science suitable for science majors, including a two-course sequence with a lab component in both courses. Choose from Biology, Chemistry, Geoscience, or Physics/Engineering Physics. Consult with advisor for approved sequences.

CORPORATE COMMUNICATION

48 Hour Major – Minor Required

Required Courses:
MG 301  Principles of Management (3)
MK 301  Principles of Marketing (3)
MK 341  Public Relations (3)
SC 155  Fund of Interpersonal Comm (3)
SC 330  Corporate & Professional Comm (5)
SC 335  Interviewing (3)
SC 483  Internship in Speech Comm (3)

OR
SC 496  Practicum in Corporate Comm (3)
SC 560  Organizational Comm (3)
UI 301  Managerial Communication (3)

Choose 9 hours from:
SC 215  Intercultural Communication (3)
SC 310  Speech Writing (3)
Bachelor of Science Majors

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SC 314  Argumentation & Problem Solving (3)
SC 320  Group Comm & Decision-Making (3)
SC 355  Relational Comm Strategies (3)
SC 406  Comm Prin/Negotiation & Conflict Mgmt (3)
UI 345  Nonverbal Communication (3)
UI 425  Persuasion (3)
SC 463  Independent Study (3)
SC 510  Leadership and Team Building (3)

Choose 6 hours from the following:
MK 342  Professional Selling (3)
MK 343  Advertising & Promotion (3)
MK 344  Consumer Behavior (3)
MK 345  Intro to Business Research (3)
MK 349  Retail Management (3)
MK 447  Sales Management (3)
MK 560  International Marketing (3)

Choose 6 hours from the following:
MG 362  Management Skills (3)
MG 470  Leadership in Management (3)
MG 550  Improving Team Performance (3)
MG 560  International Management (3)

CRIMINAL JUSTICE

33 Hour Major - Minor Required

Required Courses:
CJ 100   Intro to Criminal Justice (3)
CJ 110   Intro to Law Enforcement (3)
CJ 125   Intro to Corrections (3)
CJ 220   Criminal Law (3)
CJ 370   Juvenile Justice (3)
CJ 425   Planning/Resrch in Crim Justice (3)
CJ 526   Statistical Analysis in Crim Justice (3)
OR
SO 240   Interpretation of Data (3)
OR
SO 242   Statistics for Soc Scientists (3)

Choose One 12 Hour Option:
CORRECTIONS
CJ 230   Correctional Institutions (3)
CJ 355   Constitutional Rights of Inmates (3)
CJ 365   Community-Based Corrections (3)
CJ 440   Theories/Methods of Offender Rehab (3)

LAW ENFORCEMENT
CJ 310   Advanced Police Administration (3)
CJ 330   Criminal Investigations (3)
CJ 422   Criminal Procedure (3)
CJ xxx   CJ Course (300-500 level) (3)

SECURITY MANAGEMENT
CJ 325   Intro to Security Systems (3)
CJ 326   Security & Loss Prevention (3)
CJ 327   Security Management (3)
CJ 422   Criminal Procedure (3)

ECONOMICS

28 Hour Major - Minor Required

Required Courses:
EC 215   Principles of Microeconomics (3)
EC 225   Principles of Macroeconomics (3)
EC 410   Macroeconomic Theory (3)
EC 420   Microeconomic Theory (3)
EC 498   Senior Seminar (1)

Any 3 hour college-level statistics course

Choose 12 Hours From:
EC xxx   EC course (235-500 level)
UI 322   International Political Economy (3)
UI 349   Comparative Economic Systems (3)
UI 366   Law and Economics (3)
UI 371   Government and Business (3)

NOTE: No more than 6 hours of UI courses may be selected.

ENGINEERING PHYSICS

EAC/ABET Accredited (see www.abet.org)

59-61 Hour Major - No Minor Required

Required Courses:
EP 100   Physics & Engineering Concepts (1)
EP 240   Circuit Analysis (4)
EP 261   Engineering Mech: Statics (3)
EP 262   Engineering Mech: Dynamics (3)
OR
PH 370   Mechanics (3)
EP 340   Electronic Circuits (4)
EP 372   Signals and Systems (3)
EP 480   Capstone Design I (1)
PH 230/030   General Physics I (5)
PH 231/031   General Physics II (5)
PH 360   Modern Physics (3)
PH 371   Electromagnetics (3)
UI 330   Experimental Methods I (3)
UI 450   Capstone Experience (3)

Additional Requirements: 31 Hours
CH 185/085/005   General Chemistry I (5)
CS 177   Prog for Scientists & Engr (3)
MA 140   Analytic Geometry & Calculus I (5)
MA 145   Analytic Geometry & Calculus II (4)
MA 240   Analytic Geometry & Calculus III (3)
MA 245   Vector Calculus (2)
MA 345   Linear Algebra (3)
MA 350   Differential Equations (3)
MN 120   Fund of Engr Design Processes (3)
Choose One Option:

**COMPUTER APPLICATIONS** (20 HOURS)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>CS 155</td>
<td>Computer Science I (4)</td>
</tr>
<tr>
<td>CS 265</td>
<td>Computer Science II (4)</td>
</tr>
<tr>
<td>CS 315</td>
<td>C &amp; the Unix Environment (3)</td>
</tr>
<tr>
<td>EP 305</td>
<td>Digital &amp; Analog System Design (3)</td>
</tr>
<tr>
<td>EP 310</td>
<td>Microcomputer Interfacing (3)</td>
</tr>
<tr>
<td>EP 461</td>
<td>Computer Applications (3)</td>
</tr>
</tbody>
</table>

**ELECTRICAL APPLICATIONS** (18 HOURS)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>EP 305</td>
<td>Digital &amp; Analog System Design (3)</td>
</tr>
<tr>
<td>EP 310</td>
<td>Microcomputer Interfacing (3)</td>
</tr>
<tr>
<td>EP 361</td>
<td>Thermal Analysis (3)</td>
</tr>
<tr>
<td>EP 374</td>
<td>Control Systems (3)</td>
</tr>
<tr>
<td>EP 462</td>
<td>Material Science (3)</td>
</tr>
<tr>
<td>PH 341</td>
<td>Optics (3)</td>
</tr>
</tbody>
</table>

**MECHANICAL APPLICATIONS** (19 HOURS)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
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</thead>
<tbody>
<tr>
<td>EP 263</td>
<td>Mechanics of Materials (4)</td>
</tr>
<tr>
<td>EP 361</td>
<td>Thermal Analysis (3)</td>
</tr>
<tr>
<td>EP 363</td>
<td>Thermal Fluid Engr (3)</td>
</tr>
<tr>
<td>EP 374</td>
<td>Control Systems (3)</td>
</tr>
<tr>
<td>EP 462</td>
<td>Material Science (3)</td>
</tr>
<tr>
<td>MN 350</td>
<td>Machine Design (3)</td>
</tr>
</tbody>
</table>

**ENGINEERING TECHNOLOGY**

100 Hour Major - No Minor Required

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>CH 181</td>
<td>Basic Principles of Chemistry (5)</td>
</tr>
<tr>
<td>ET 194</td>
<td>Intro to PLCs (3)</td>
</tr>
<tr>
<td>IM 102</td>
<td>Technical Communications (3)</td>
</tr>
<tr>
<td>IM 301</td>
<td>Industrial Safety Supervision (3)</td>
</tr>
<tr>
<td>IM 311</td>
<td>Statistical Process Control (3)</td>
</tr>
<tr>
<td>MA 135</td>
<td>Algebra &amp; Trigonometry (5)</td>
</tr>
<tr>
<td>MA 140</td>
<td>Analytic Geometry &amp; Calculus I (5)</td>
</tr>
<tr>
<td>MA 144</td>
<td>Integral Calculus &amp; Differential Equations (5)</td>
</tr>
<tr>
<td>MN 220</td>
<td>Engineering Economic Analysis (3)</td>
</tr>
<tr>
<td>MN 260</td>
<td>Techncl Computer Programng Appl (3)</td>
</tr>
<tr>
<td>MN 356</td>
<td>Robotics (3)</td>
</tr>
<tr>
<td>MN 383</td>
<td>Fluid Power (3)</td>
</tr>
<tr>
<td>MN 412</td>
<td>Advanced Manufacturing Systems (3)</td>
</tr>
<tr>
<td>MN 416</td>
<td>Manufacturing Seminar (1)</td>
</tr>
<tr>
<td>PH 120</td>
<td>Introductory Physics I (5)</td>
</tr>
<tr>
<td>PH 121</td>
<td>Introductory Physics II (5)</td>
</tr>
<tr>
<td>SW 207</td>
<td>Understanding Cult &amp; Social Div (3)</td>
</tr>
<tr>
<td>UI 319</td>
<td>Science, Tech, &amp; Society (3)</td>
</tr>
<tr>
<td>UI 410</td>
<td>Manufacturing Research (3)</td>
</tr>
</tbody>
</table>

Choose One 33 Hour Option:

**ELECTRICAL AND CONTROL**:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
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</thead>
<tbody>
<tr>
<td>ET 162</td>
<td>DC Principles &amp; Circuits (3)</td>
</tr>
<tr>
<td>ET 164</td>
<td>AC Principles &amp; Circuits (3)</td>
</tr>
<tr>
<td>ET 245</td>
<td>Logic Circuits (3)</td>
</tr>
<tr>
<td>ET 260</td>
<td>Electronic Circ Design/Analysis I (3)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>ET 264</td>
<td>Industrial Electronics (3)</td>
</tr>
<tr>
<td>ET 365</td>
<td>Industrial Electrical Power (3)</td>
</tr>
<tr>
<td>ET 366</td>
<td>Microcontrollers (3)</td>
</tr>
<tr>
<td>ET 367</td>
<td>Motor Control and Drive Systems (3)</td>
</tr>
<tr>
<td>ET 468</td>
<td>Industrial Control (3)</td>
</tr>
<tr>
<td>ET 470</td>
<td>Energy Management (3)</td>
</tr>
<tr>
<td>TN 275</td>
<td>Network Fundamentals (3)</td>
</tr>
</tbody>
</table>

**MECHANICAL & MANUFACTURING SYSTEMS**:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
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</thead>
<tbody>
<tr>
<td>ET 160</td>
<td>Basic Electricity &amp; Electronics (3)</td>
</tr>
<tr>
<td>MN 120</td>
<td>Fund of Engr Design Processes (3)</td>
</tr>
<tr>
<td>MN 170</td>
<td>Industrial Materials &amp; Testing (3)</td>
</tr>
<tr>
<td>MN 203</td>
<td>Industrial Materials &amp; Processes I (3)</td>
</tr>
<tr>
<td>MN 204</td>
<td>Industrial Materials &amp; Processes II (3)</td>
</tr>
<tr>
<td>MN 219</td>
<td>Statics &amp; Strength of Materials (3)</td>
</tr>
<tr>
<td>MN 221</td>
<td>Solid Modeling &amp; Rapid Prototyping (3)</td>
</tr>
<tr>
<td>MN 324</td>
<td>Design Modeling &amp; Processes (3)</td>
</tr>
<tr>
<td>MN 350</td>
<td>Machine Design (3)</td>
</tr>
<tr>
<td>MN 354</td>
<td>Computer Aided Manufacturing (CAM) (3)</td>
</tr>
<tr>
<td>MN 402</td>
<td>Plastics &amp; Processes (3)</td>
</tr>
</tbody>
</table>

**ENVIRONMENTAL SCIENCE**

78-92 Hour Major - No Minor Required

Required Courses:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>BI 153</td>
<td>Intro to Organismal Bio (4)</td>
</tr>
<tr>
<td>BI 352</td>
<td>General Ecology (3)</td>
</tr>
<tr>
<td>BS 105</td>
<td>Environmental Biology (3)</td>
</tr>
<tr>
<td>CH 185</td>
<td>General Chemistry I (5)</td>
</tr>
<tr>
<td>CH 186</td>
<td>General Chemistry II (3)</td>
</tr>
<tr>
<td>EC 344</td>
<td>Environmental Economics (3)</td>
</tr>
<tr>
<td>EV 201</td>
<td>Environmental Science Seminar I (1)</td>
</tr>
<tr>
<td>EV 401</td>
<td>Environmental Science Seminar II (1)</td>
</tr>
<tr>
<td>EV 454</td>
<td>Risk Assessment Applications (3)</td>
</tr>
<tr>
<td>EV 481-483</td>
<td>Internship (3)</td>
</tr>
</tbody>
</table>

OR

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>EV 491-493</td>
<td>Research (3)</td>
</tr>
<tr>
<td>EV xxx</td>
<td>EV Course (300-500 level) (3)</td>
</tr>
<tr>
<td>GO 110</td>
<td>Physical Geology (3)</td>
</tr>
<tr>
<td>GO 365</td>
<td>Environmental Soil Science (3)</td>
</tr>
<tr>
<td>GO 460</td>
<td>Environmental Hydrology (3)</td>
</tr>
<tr>
<td>MA 139</td>
<td>Applied Calculus (3)</td>
</tr>
</tbody>
</table>

OR

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>MA 140</td>
<td>Analytical Geometry &amp; Calculus I (5)</td>
</tr>
<tr>
<td>MA 223</td>
<td>Elementary Probability &amp; Statistics (3)</td>
</tr>
<tr>
<td>PH 106</td>
<td>Physical Concepts (3)</td>
</tr>
</tbody>
</table>

OR

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>PH 120</td>
<td>Introductory Physics I (5)</td>
</tr>
<tr>
<td>UI 429</td>
<td>Environmental Ethics (3)</td>
</tr>
</tbody>
</table>

Choose 6 Hours From:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>UI 331</td>
<td>Biochemistry I (3)</td>
</tr>
<tr>
<td>UI 360</td>
<td>Recycling &amp; Waste Management (3)</td>
</tr>
</tbody>
</table>
Bachelor of Science Majors

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UI 373  Earth/Life Through Time (3)
UI 386  Environmental Health (3)*
UI 387  Environmental Law & Public Policy (3)**
*Required for Environmental Health and Policy Communication Options
**Required for Policy & Communication Option

Choose One Option:

BIOLOGY (26 Hours)
BI 151  Biological Reasoning (3)
BI 152  Intro to Scientific Investigation (1)

Choose 2 Courses From:
BI 200  Microbiology (3)
BO 200  Plant Biology (3)
ZO 200  Animal Biology (3)

Additional Required Courses:
CH 341  Organic Chemistry I (4)
CH 342  Organic Chemistry Lab I (1)
CH 350  Environmental Chemistry (3)

Choose 8 Hours From:
BI 381  Molecular Genetics (3)
BI 420  Principles of Wildlife Management (3)
BI 430  Management of Wildlife Habitat (3)
BI 432  Advanced Ecology (3)
BI 435  Conservation Biology (3)
BI 440  Ecology & Management of Wetlands (3)
BI 441  Virology (3)
BI 442  Immunology (3)
BI 443  Epidemiology (3)
BI 445  Microbial Physiology (3)
BI 452  Limnology (3)
BI 453  Occupational Health (3)
BI 455  Industrial Hygiene (3)
BI 460  Introduction to Toxicology (3)
BI 469  Wildlife Toxicology (3)
BI 471-473 Internship in Biology (1-3)
BI 543  Pathogenic Microbiology (2)
BI 544  Pathogenic Microbiology Laboratory (1)
BI 589-591 Biological Research (1-3)
BO 361  Systematic Botany (3)
BO 445  Plant Physiology (3)
BO 461  Native Aquatic Plants (3)
BO 469  Field Botany (3)
ZO 331  Animal Physiology (3)
ZO 459  Mammalogy (3)
ZO 460  Herpetology (3)
ZO 466  Ornithology (3)
ZO 469  Vertebrate Adaptations (3)
ZO 478  Ichthyology (3)

BUSINESS (21 Hours)
AC 221  Principles of Accounting I (3)
AC 222  Principles of Accounting II (3)
EC 225  Principles of Macroeconomics (3)
FI 361  Financial Management (3)
MG 301  Principles of Management (3)
MI 375  Management Information Systems (3)
MK 301  Principles of Marketing (3)

CHEMISTRY (28 Hours)
CH 187  Qualitative Analysis (2)
CH 271  Quantitative Analysis (4)
CH 310  Introduction to Physical Chemistry (5)
CH 341  Organic Chemistry I (4)
CH 342  Organic Chemistry Lab I (1)
CH 350  Environmental Chemistry (3)
PH 121  Introductory Physics II (5)
UI 443  Prof Experience in Chem (3)

Choose 1 Course From:
CH 343  Organic Chemistry II (3)
CH 344  Organic Chemistry Lab II (2)
CH 391  Undergraduate Research (1-3)
CH 545  Organic Preparations & Characterizations (3)
CH 575  Chemical Instrumentation (4)
CH 531/UI 331 Biochemistry I (3)

ENVIRONMENTAL HEALTH (22-23 Hours)
EV 443  Epidemiology (3)
EV 453  Occupational Health (3)
EV 455  Industrial Hygiene (3)
EV 460  Introduction to Toxicology (3)
EV 551  Hazardous Materials Assessment (3)

NOTE: One of the EV courses above will satisfy the 3 hours of elective credit in the Environmental Science core course requirements.

Choose 1 Course From:
BI 485  Topics in Biology (3)
BI 543 & 544 Pathogenic Microbiology & Lab (3)
BS 332  Human Physiology (3)
EN 301  Writing for Science & Technology (3)
HL 210  Health & Safety (2)
HL 320  Community Health (3)

Additional Required Courses:
CH 341  Organic Chemistry I (4)
CH 342  Organic Chemistry Lab I (1)
CH 350  Environmental Chemistry (3)

GEOPROCESSING AND SOILS (23 Hours)
GO 340  Remote Sensing (3)
GO 445  Geographic Information Systems (3)
GO 458  Environmental Geochemistry (3)
GO 555  Soil Class & Res Mgmt (3)

Choose 3 Hours From:
AO 427  Soil Fertility & Plant Nutr (3)
BI 440  Ecology & Mgmt of Wetlands (3)
Additional Required Courses:
CH 341  Organic Chemistry I (4)
CH 342  Organic Chemistry Lab I (1)
CH 350  Environmental Chemistry (3)

POLICY AND COMMUNICATION (18 Hours)
EN 190  Writing & the Environment (3)
EN 301  Writing for Science & Technology (3)
MC 201  Writing for Mass Media (3)
PS 230  American Public Policy (3)
OR
PS 280  Intro to Global Issues (3)
PS 491  Topics in Political Science (3)
SC 200  Advanced Public Speaking (3)

HEALTH MANAGEMENT
61-72 Hour Major - No Minor Required
FN 235  Nutrition for Health (3)
HL 111  Intro to Health Management (3)
HL 120  Health Perspectives (3)
HL 231  Fitness Conditioning (3)
HL 312  Sport and Exercise Pharmacology (3)
HL 331/031 Exercise Physiology (3)
HL 333  Fitness Assessment & Exercise Prog (4)
HL 460  Exercise Leadership (3)
HL 498  Health Internship (12)

Choose One Option:
EXERCISE SCIENCE (24 Hours)
HL 251  Intro to Athletic Injuries (3)
HL 261  Exercise Science Practicum (3)
HL 303  Research Methods (3)
HL 332  Lifestyle Disease Risk Reduction (3)
HL 471  Health Internship (12)

Choose One Option:
HEALTH PROMOTION (27 Hours)
FN 255  Nutrition I (3)
OR
FN 355  Lifespan Nutrition (3)
HL 260  Health Promotion Practicum (3)
HL 303  Research Methods (3)
HL 332  Lifestyle Disease Risk Reduction (3)
HL 432  Health Promotion Programs (3)
HL 490  Program Planning & Evaluating (3)
MG 301  Principles of Management (3)
OR
MK 301  Principles of Marketing (3)
MG 3xxx  Upper division MG elective (3)
OR
MK 343  Advertising & Promotion (3)
UI 354  Lifestyle Enhancement (3)

Additional Requirements: 14-20 Hours
BS 113/013 Anatomy & Physiology I (4)
BS 114/014 Anatomy & Physiology II (4)
CH 180  Chemistry in Our World (3)
OR
CH 181  Basic Principles of Chemistry (5)
MA 134  College Algebra (3)

HISTORIC PRESERVATION
48 Hour Major – No Minor Required

HISTORIC PRESERVATION REQUIREMENTS
Required Courses:
GH 315  Historiography (3)
HP 007  Professional Portfolio Review (0)
HP 100  Intro to Historic Preservation (3)
HP 200  Intro to Techniques of Local History (3)
HP 585  History of American Architecture (3)
HP 588  Legal & Econ Prin of Historic Preserv (3)
US 105  American History I (3)
US 107  American History II (3)

Choose 9 Hours From:
(3 Hours Must be a Problems Course)
HP 405  Archives & Spec Collections Management (3)
HP 410  Museum Studies (3)
HP 420  Historic Site Administration (3)
HP 450  Problems in Historic Preservation (3)

Choose 6 Hours From:
Any EH, GH, US, or WH 200-500 level or approved departmental UI course

Choose 3 Hours From:
Any EH, GH, US, or WH 400-500 level or approved departmental UI course

Choose 9 Hours From:
HP 500  Historic Preservation Internship I (3)
HP 501  Historic Preservation Internship II (6)
HP 502  Historic Preservation Internship III (9)

ADDITIONAL INTERDISCIPLINARY REQUIREMENTS
Choose 9 Hours From:
AD 101  Intro to Microcomputer Appl (3)
BL 255  Legal Environment of Business (3)
BS 105  Environmental Biology (3)
CM 100  Intro to Arch Drafting (3)
CM 126  Computer Aided Arch Drafting (3)
GM 284  Photography Fundamentals (3)
GO 445  Geog Information Systems (3)
HI 104  Housing & Interior Design (3)
MK 301  Principles of Marketing (3)
TH 101  Acting for Non-Majors (3)
TH 395  Period & Style (3)
UI 351  Public Opinion (3)
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**UI 371** Government & Business (3)

**UI 400** Business & Ethics (3)

**UI 425** Persuasion (3)

**Choose 6 Hours From:**

- **AH 511** American Art (3)
- **HI 532** History of Furniture II (3)
- **UI 312** Perspectives on the Present (3)
- **UI 313** African-American Experience (3)
- **UI 337** Issues in Modern Architecture (3)
- **UI 339** North American Indians (3)
- **UI 340** Housing Perspectives (3)
- **UI 341** Victorian Studies (3)
- **UI 347** Living in a Global Society (3)
- **UI 401** American Cultural Landscapes (3)
- **UI 414** The American Temper (3)
- **UI 418** European Mind (3)
- **UI 446** Civil Rights Movement (3)
- **UI 503** Alexander the Great (3)

**Choose 3 Hours From:**

- **AN 321** Midwestern Archaeology (3)
- **AN 355** Special Topics in Anthropology (3)
- **AN 381** North American Archaeology (3)
- **AN 382** Archaeology: Method & Theory (3)
- **AN 550** Historical Archaeology (3)
- **GO 340** Remote Sensing (3)
- **HP 552** Historic Preservation Field School (3)
- **UI 373** Earth/Life Through Time (3)

**HOSPITALITY MANAGEMENT**

**49 Hour Major – No Minor Required**

**Required Courses:**

- **FN 150** Intro to Hospitality Mgmt (3)
- **FN 205** Selection & Preparation of Foods (3)
- **FN 235** Nutrition for Health (3)*
- **FN 260** Meeting & Event Mgmt (3)
- **FN 270** Hotel & Resort Operations (3)
- **FN 304** Food, Bev & Labor Cost Cntrls (3)
- **FN 325** Hospitality Law (3)
- **FN 350** Culinary Theory & Practice (3)
- **FN 390** Hosp Sales & Marketing (3)
- **FN 406** Hospitality & Institution Admin (3)
- **FN 416** Quantity Food Production (4)
- **FN 473** Internship in Hospitality Mgmt (12)
- **FN 515** Yield/Revenue Mgmt for Hosp Indstry (3)

**Additional Requirements: 24 Hours**

- **AC 221** Principles of Accounting I (3)
- **AD 101** Intro to Microcomputer Appl (3)
- **EC 101** Economic Problems & Policies (3)*

**OR**

- **EC 215** Prin of Microeconomics (3)*
- **MA 134** College Algebra (3)*

- **MG 301** Principles of Management (3)
- **MG 356** Human Resource Mgmt (3)
- **MK 301** Principles of Marketing (3)
- **SN 100** Spanish Language & Culture (3)*

*Fulfills University Studies requirement

**HUMAN ENVIRONMENTAL STUDIES:**

**CHILD DEVELOPMENT OPTION**

**51 Hour Major - No Minor Required**

**Required Courses:**

- **CF 102** Relationships in the 21st Century (3)
- **CF 120** The Child: Devel/Conception to Adols (3)
- **CF 126** Facilitating Devel in Young Children (3)
- **CF 200** Guiding Alternatives/Young Children (3)
- **CF 290** Preschool Participation (2)
- **CF 291** Preschool Participation Lab (1)
- **CF 300** Parent Education (2)
- **CF 301** Parent Education Lab (1)
- **CF 316** Prenat/Infnt Growth & Stimulation (2)
- **CF 317** Prenat/Infnt Growth & Stimulation Lab (1)
- **CF 403** Child & Family Practicum (3)
- **CF 430** Parent Child Intraacts: Systems Appr (3)
- **CF 450** Teaching Young Children, Ages 3-5 (3)
- **CF 501** Preschool Practicum (3)
- **CF 512** Family & Comm Resources (3)
- **EX 390** Psych & Educ of the Exceptional Child (3)
- **FN 425** Hlth/Nutrition/Safety of Young Child (3)

**Choose 9 Hours From:**

- **CF 312** Organizn & Mgt of Childcare Centers (3)
- **CF 409** School Age Child Care (3)
- **CF 502** Preschool Children/Comptr Techn (3)
- **CF 506** Theories & Issues in Child Dvlpmnt (3)
- **CF 509** Child Life Services (3)
- **CF 530** Research & Issues in Child Dvlpmnt (3)

**HUMAN ENVIRONMENTAL STUDIES:**

**DIETETICS OPTION**

**47 Hour Major - No Minor Required**

**Required Courses:**

- **FN 205** Food Selection & Preparation (3)
- **FN 255** Nutrition I (3)
- **FN 304** Food, Beverage & Labor Cost Cntrls (3)
- **FN 320** Essentials of Food Science (4)
- **FN 340** Professional Dietetic Seminar (1)
- **FN 355** Lifespan Nutrition (3)
- **FN 370** Nutrition Assessment (3)
- **FN 406** Hospitality & Institution Admin (3)
- **FN 416** Quantity Food Production (4)
- **FN 502** Nutrition II (3)
- **FN 503** Medical Nutrition Therapy I (4)
FN 504  Medical Nutrition Therapy II (4)
FN 525  Nutrition Counseling (3)
FN 540  Community Nutrition (3)
HE 520  Tech/Teaching Nutrition & Health Ed (3)

**Additional Requirements: 55 Hours**
*(Some courses may fulfill University Studies requirements)*

- AC 221  Principles of Accounting I (3)
- AD 101  Intro to Microcomputer Appl (3)
- AG 201  World Food & Society (3)
- BS 113  Anatomy & Physiology I (4)
- BS 114  Anatomy & Physiology II (4)
- BS 240  Microorganisms/Human Host (3)
- CH 181  Basic Prin of Chemistry (5)
- CH 234  Organic & Biol Chemistry (3)
- EN 140  Rhetoric & Critical Thinking (3)
- FN 235  Nutrition for Health (3)
- HL 331/031 Exercise Physiology (3)
- MA 134  College Algebra (3)
- MK 301  Principles of Marketing (3)
- PY 101  Psych Perspectives/Human Behavior (3)
- HL 303  Research Methods (3)
- SC 105  Fundamentals of Oral Communication (3)
- SO 102  Society, Culture & Social Behavior (3)

**HUMAN ENVIRONMENTAL STUDIES:**

**FAMILY STUDIES OPTION**

*45 Hour Major - Minor Required*

**Required Courses:**
- CF 102  Relationships in the 21st Century (3)
- CF 120  The Child: Devel/Conception to Adolsc (3)
- CF 206  Intro to Gerontology (3)
- CF 207  Gerontology Practicum I (3)
- CF 209  Intro to Family Systems (3)
- CF 300  Parent Education (2)
- CF 301  Parent Education Lab (1)
- CF 320  Life Skills Education (3)
- CF 340  Family Policy Law & Advocacy (3)
- CF 402  Marriage Interaction (3)
- CF 405  Special Population Practicum (3)
- CF 430  Parent-Child Interaction (3)
- CF 512  Family & Comm Resources (3)
- CF 520  Family Assessment (3)
- CF 565  Family Service Internship (6)

**Additional Requirements: 6 hours**
- FE 200  Family Resource Management (3)
- SW 121  Helping Skills in Human Services (3)

**HUMAN ENVIRONMENTAL STUDIES:**

**FASHION MERCHANDISING OPTION**

*38 Hour Major - Retail Management Minor Required*

**Required Courses:**
- CT 110  Intro to Fashion Merchandising (3)
- CT 207  Textiles (3)
- CT 230  Apparel Analysis (3)
- CT 300  Professional Image & Behavior (2)
- CT 350  Apparel Aesthetics (3)
- CT 410  Internship (6)
- CT 415  Fashion Retailing (3)
- CT 420  Specialty Markets (3)
- CT 450  Issues & Trends in Fash Merch (3)
- CT 517  History of Costume (3)
- CT 518  Soc Psych Aspects of Clothing (3)
- HI 214  Display Design (3)

**Additional Requirements: 15 Hours**
- AD 101  Intro to Microcomp Appl (3)
- AR 104  Design Foundations (3)
- EC 101  Economic Problems & Policies (3)
- MG 301  Principles of Management (3)
- MG 356  Human Resources Management I (3)

**HUMAN ENVIRONMENTAL STUDIES:**

**INTERIOR DESIGN OPTION**

*58 Hour Major - No Minor Required*

**Required Courses:**
- CT 207  Textiles I (3)
- DS 001  Portfolio Review (0)
- DS 104  Intro to Interior Design (3)
- DS 111  Design Process (3)
- DS 205  History of Interiors I (3)
- DS 206  History of Interiors II (3)
- DS 211  Basic Kitchen/Bath Design (3)
- DS 220  Design Communications (3)
- DS 311  Adv Kitchen/Bath Design (3)
- DS 320  Adv Design Communications (3)
- DS 330  Lighting/Electrical Systems (3)
- DS 331  Interior Systems (3)
- DS 332  Materials/Cost Estimating (3)
- DS 412  Design Studio (3, 3)
- DS 413  Design Studio (3, 3)
- DS 440  Internship in Interior Design (4)
- DS 450  Prof Prac/Interior Design I (3)
- DS 451  Prof Prac/Interior Design II (3)
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Additional Requirements: 27 Hours
AR 112 Perspectives in Art (3)*
CM 100 Intro to Arch Drafting (3)
CM 126 Computer Aided Arch Drafting (3)
CM 226 Residential Arch Drftg & Design (3)
CM 322 Comm Arch Drftg & Design (3)
MA 134 College Algebra (3)*
MK 301 Principles of Marketing (3)
UI 340 Housing Perspectives (3)*

Choose 3 Hours from the Following Courses:
DS 114 Display Design (3)
DS 518 Environ Design/Spec Populations (3)
HP 585 History of Am Architecture (3)
MG 301 Principles of Management (3)

*Some courses may fulfill University Studies requirements.

INDUSTRIAL TECHNOLOGY

85-86 Hour Major - No Minor Required

Required Courses:
IM 102 Technical Communication (3)
IM 301 Industrial Safety Supervision (3)
IM 311 Statistical Process Control (3)
IM 419 Industrial Supervision (3)
IM 506 Projects in IET (3)
MA 133 Plane Trigonometry (3)
MA 134 College Algebra (3)
MN 220 Engineering Econ Analysis (3)
MN 260 Tech Computer Programming Appl (3)
PH 120 Introductory Physics I (5)*

OR
PH 106 Physical Concepts (3)*
PH 121 Introductory Physics II (5)*

OR
CH 181 Basic Principles of Chemistry (5)*
SW 207 Understanding Cult & Soc Diversity (3)
UI 410 Manufac Research/Global Society (3)

*Construction Management and Design and Industrial Management options must take CH181; Telecommunications & Computer Networking option must take PH121; Computer & Multimedia Graphics option must take PH 106.

Choose One Option:

COMPUTER & MULTIMEDIA GRAPHICS (45 Hours)
GM 180 Intro to Industrial Graphics (3)
GM 200 Vector& Bitmapped Graphics for Industry (3)
GM 282 Vector and Text Graphics (3)
GM 284 Photography Fundamentals (3)
GM 285 Commercial Photographic Lighting (3)
GM 286 Commercial Studio Photography (3)
GM 320 Graphic & Interface Design for Internet (3)
GM 326 Multimedia for Internet (3)
GM 380 3D Modeling & Animation Prod (3)
GM 384 Commercial Photography (3)
GM 385 Non-Linear Video Editing (3)
GM 386 Interactive Multimedia & Animation (3)
GM 480 3D Animation Pipeline (3)
GM 490 Advanced Graphics Projects (3)
TN 255 Microcomputer Maint & Trblshtng (3)

OR
TN 275 Network Rtg & Switching I (3)

CONSTRUCTION MANAGEMENT & DESIGN (42 Hours)
CM 126 Computer Aided Arch Drafting (3)
CM 226 Resid Arch Drafting & Design (3)
CM 243 Construction Methods & Matls (3)
CM 310 Construction Building Codes (3)
CM 315 Construction Contracts & Legal Issues (3)
CM 320 Construction Cost Estimating (3)
CM 322 Comm Arch Drftg & Design (3)
CM 325 Bldg Mechanical & Electrical Syst (3)
CM 330 Construction Planning Scheduling (3)
CM 343 Construction Surveying & Testing (3)
CM 410 Construction Project Administration (3)
IM 317 Internship (3)
MA 139 Applied Calculus (3)
MN 219 Statics & Strength of Materials (3)

FACILITIES MANAGEMENT (42 Hours)
AC 221 Principles of Accounting I (3)
CM 126 Computer Aided Arch Drafting (3)
CM 226 Resid Arch Drafting & Design (3)
CM 310 Construction Building Codes (3)
CM 315 Construction Contracts & Legal Issues (3)
CM 325 Bldg Mechanical & Electrical Syst (3)
CM 330 Construction Planning Scheduling (3)
CM 410 Construction Project Administration (3)
CM 510 Building Information Modeling (3)
ET 470 Energy Management (3)
FM 504 Facilities Management (3)
FM 554 Facilities Operation & Supervision (3)
IM 317 Internship (3)
MA 139 Applied Calculus (3)

INDUSTRIAL MANAGEMENT (42 Hours)
ET 160 Basic Electricity & Electronics (3)
ET 194 Intro to PLCs (3)
IM 313 Facilities Planning (3)
IM 315 Work Measurement (3)
IM 411 Total Quality Assurance (3)
IM 417 Manufacturing Resource Analysis (3)
MA 139 Applied Calculus (3)
MG 301 Principles of Management (3)
INTERDISCIPLINARY STUDIES

69 Hour Major - No Minor Allowed

The Interdisciplinary Studies major allows students to create a personalized academic program tailored to their individual career goals by completing courses across multiple academic disciplines. Students work with faculty advisors in their selected areas of emphasis to create a personalized plan of study. The Interdisciplinary Studies plan of study must be approved by faculty advisors in each area, the Dean of the School of University Studies, and the Associate Registrar before completion of 75 hours. A cumulative grade point average of 2.5 is required for graduation. For additional information about the major, students should contact an advisor in the University Studies Advising Center or visit the web page at http://www.semo.edu/usac.

Required courses:
University Studies requirements 51 hours
Two, three or four areas of emphasis 69 hours*

*Mandatory of 12 hours; maximum of 30 hours in each area

MASS COMMUNICATION

36 Hour Major – Minor Required

(A grade of ‘C’ or better in all courses within the major except MC 001, MC 486 & MC 496 which are credit/no credit courses.)

Required Courses:
MC 001  Mass Comm Exit Survey (0)
MC 101 Mass Communication & Society (3)
MC 201 Writing for the Mass Media (3)
MC 301 Mass Comm Theory & Research (3)
MC 401 Communication Law (3)
MC 486 Internship in Mass Communication (3)

OR
MC 496 Practicum in Mass Comm (3)
MC xxx Mass Communication electives (6)

Additional Requirements:
MA 155  Statistical Reasoning (3)*
UI 382  Hist & Phil of American Mass Media (3)*

*A grade of ‘C’ or better is required in MA 155 and UI 382.

Choose One 15 Hour Option:

ADVERTISING
MC 310 Advertising Comm Strategies (3)
MC 312 Advertising Creative Concepts (3)
MC 314 Advertising Soc Iss/Responsibilities (3)
MC 316 Advertising Media (3)
MC 418 Advertising Campaigns (3)
PUBLIC RELATIONS
MC 330 Public Relations Principles (3)
MC 332 Public Relations Writing/Design (3)
MC 334 Public Relations Research & Strategy (3)
MC 430 Strategic Communication Issues (3)
MC 434 Public Relations Campaigns (3)

RADIO
MC 141 Intro to Radio (1)
MC 340 Basic Radio (2)
MC 342 Radio Programming Strategies (3)
MC 344 Audio Production & Performance (3)
MC 346 Electronic News Gathering (3)
MC 448 Radio Station Administration (3)

TELEVISION AND FILM
MC 351 Basic Video Film Production (3)
MC 352 Inter Video Film Production (3)

Choose one nine-hour track:

Broadcast News
MC 371 Broadcast Field Production (3)
MC 372 Broadcast Reporting (3)
MC 471 Broadcast News Production (3)

Film
MC 353 Film History (3)
MC 354 Screenwriting (3)
MC 451 Film Directing (3)

Video Production
MC 361 Advanced Video Production (3)
MC 367 Converging Media Systems (3)
MC 466 Television Directing (3)

NOTE: Of the 83 hours required outside of the major, 68 hours must be from traditional Arts and Sciences courses.

MATHEMATICS
43 Hour Major - No Minor Required

Required Courses:
MA 138 Discrete Mathematics I (3)
MA 140 Analytic Geometry & Calculus I (5)
MA 145 Analytic Geometry & Calculus II (4)
MA 240 Analytic Geometry & Calculus III (3)
MA 250 Foundations of Mathematics (3)
MA 448 Mathematics Seminar (1)

Choose One 24 Hour Option:

PURE MATHEMATICS
MA 345 Linear Algebra (3)
MA 445 Modern Algebra (3)
MA 523 Probability & Statistics I (3)
MA 546 Advanced Calculus I (3)

Choose 12 Hours MA courses higher than MA 250
One course must be chosen from MA 524, MA 540, MA 544, MA 545, MA 547, MA 550

APPLIED MATHEMATICS & STATISTICS
MA 223 Elem Probability & Statistics (3)

Choose 3 Hours From:
MA 445 Modern Algebra (3)
MA 523 Probability & Statistics I (3)
MA 546 Advanced Calculus I (3)

Choose 15 Hours From (include at least 3 MA courses):
MA 245 Vector Calculus (2)
MA 334 Computer Programming (3)
MA 338 Discrete Math II (3)
MA 345 Linear Algebra (3)
MA 350 Differential Equations I (3)
MA 423 Statistical Analysis for Forensic Science (3)
MA 464 Mathematical Cryptography (3)
MA 486-488 Internship in Mathematics (1-3)
MA 523 Probability & Statistics I (3)
MA 524 Probability & Statistics II (3)
MA 544 Numerical Analysis (3)
MA 545 Linear Algebra & Matrices (3)
MA 546 Advanced Calculus I (3)
MA 547 Advanced Calculus II (3)
MA 550 Differential Equations II (3)
MA 580 Exp Design & Analysis of Variance (3)
CH 311 Physical Chemistry I (4)
CH 312 Physical Chemistry II (3)
CS 345 Discrete Structures II (3)
EP 261 Eng Mech Statics (3)
EP 262 Eng Mech Dynamics (3)
EP 361 Thermal Analysis (3)
EP 372 Signals & Systems (3)
EP 374 Control Systems (3)
PH 341 Optics (3)
PH 370 Mechanics (3)
PH 371 Electromagnetics (3)
PH 570 Mathematical Physics (3)

MEDICAL TECHNOLOGY
73-77 Hour Major - No Minor Required

Required Courses:
BI 200 General Microbiology (3)
BI 381 Molecular Genetics (3)
BI 442 Immunology (3)
BI 543 Pathogenic Microbiology (2)
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BI 544 Pathogenic Microbiology Laboratory (1)
BS 103 Human Biology (3)

OR

BS 108 Biology for Living (3)

OR

BI 154 Genetics & Cellular Biology (4)
CH 185 General Chemistry I (5)
CH 186 General Chemistry II (3)
CH 187 Qualitative Analysis (2)
CH 271 Quantitative Analysis (4)
CH 341 Organic Chemistry I (4)
CH 342 Organic Chemistry Lab I (1)
MA 134 College Algebra or H.S. equiv (0-3)
MA 223 Elem Probability & Statistics (3)
ZO 331 Animal Physiology (3)

OR

BS 332 Human Physiology (3)
UI 331 Biochemistry I (3)

Clinical Year Program Off Campus (30 Hours)

PHYSICS

56 Hour Major - No Minor Required

Required Courses:
EP 100 Physics & Engineering Concepts (1)
EP 340 Electronic Circuits I (4)
EP 361 Thermal Analysis (3)
EP 462 Materials Science (3)
PH 230/030 General Physics I (5)
PH 231/031 General Physics II (5)
PH 341 Optics (3)
PH 345 Experimental Methods I (3)

OR

UI 330 Experimental Methods I (3)
PH 360 Modern Physics (3)
PH 370 Mechanics (3)
PH 371 Electromagnetics (3)
PH 445 Experimental Methods II (3)
PH 473 Quantum Mechanics (3)
PH 477 Physics Seminar (1)
PH 478 Undergraduate Research (1)
PH 479 Undergraduate Research (2)
PH 570 Mathematical Physics (3)

Choose 7 Hours Approved EP or PH Electives

Additional Requirements: 25 Hours
CH 185 General Chemistry I (5)
MA 140 Analytic Geometry & Calculus I (5)
MA 145 Analytic Geometry & Calculus II (4)
MA 240 Analytic Geometry & Calculus III (3)
MA 245 Vector Calculus (2)
MA 334 Computer Programming (3)
MA 350 Differential Equations (3)

POLITICAL SCIENCE

36 Hour Major - Minor Required

Required Courses:
PS 001 Senior Assessment (0)
PS 103 U.S. Political Systems (3)

OR

PS 104 Comparative Political Systems (3)
PS 240 Intro to Political Science (3)
PS 470 Politics of the Developed World (3)

Select 3 Hours from Each of the Five Categories, plus 6 Additional Hours From One Category
(9 Hours of PS courses must be 300-500 level)

American Government & Politics
PS 310 Govt & Politics in American States (3)
PS 335 American Foreign Policy (3)
PS 360 Political Parties & Voting Behavior (3)
PS 365 Legislative Process (3)
PS 387-389 Independent Study in Poli Sci (1-3)
PS 390 American Judicial System (3)
PS 418 Public Policy Analysis (3)
PS 490 Constitutional Law (3)
UI 320 Modern Presidency (3)

Comparative Government & Politics
PS 355 Less Developed Nations (3)
PS 377 Govt & Pol of East Asia (3)
PS 387-389 Independent Study in Poli Sci (1-3)
PS 460 Govt & Politics West Europe (3)
UI 350 Middle East Politics (3)

International Politics
PS 280 Intro to Global Issues (3)
PS 335 American Foreign Policy (3)
PS 380 International Organizations (3)
PS 387-389 Independent Study in Poli Sci (1-3)
PS 580 International Politics (3)
PS 595 International Law (3)
UI 322 International Political Economy (3)

Public Administration
PI 381-383 Internship in Political Science (1-3)
PS 230 American Public Policy (3)
PS 384-386 Internship in Political Science (3)
PS 387-389 Independent Study in Poli Sci (1-3)
PS 402 Fund of Public Administration (3)
PS 403 Public Personnel Administration (3)
PS 405 Org Theory/Behavior (3)
PS 415 Government Budgeting Process (3)
PS 418 Public Policy Analysis (3)
PS 425 Administrative Law & Procedure (3)

Political Theory
PS 387-389 Independent Study in Poli Sci (1-3)
UI 342 Modern Political Thought (3)
UI 357 Early American Political Thought (3)
UI 358 Foundations of Political Thought (3)
UI 361 Contemporary Political Theory (3)

Choose 6 Additional Hours PS Electives

AD 101 Intro to Microcomp Appl (3)

Choose 3 Hours of Statistics:
MA 223 Elem Probability & Statistics (3)
PY 271 Research Design & Analysis I (3)
PY 571 Intro to Behavioral Statistics (3)
QM 257 Business Statistics (3)
SW 242 Statistics for Social Scientists (3)

Additional Math Requirement:
MA xxx 5 Hours MA 123 or above (except MA 230, 318, 418)

PSYCHOLOGY

36 Hour Major - Minor Required

Required Core Courses:
PY 102 Intro to Psychology (3)
PY 103 Career Devlp in Psychology (3)
PY 271 Research Design & Analysis I (3)
PY 370 Research Design & Analysis II (3)
PY 497 Historical Development of Psychology (3)

Extended Core Courses:
(Choose One Course From Each of the Following Five Areas) (15 hours)

Basic Processes
PY 362 Learning & Memory (3)
PY 366 Intro to Sensation & Perception (3)
PY 466 Intro to Physiological Psychology (3)

Clinical/Personality
PY 432 Intro to Personality (3)
PY 440 Abnormal Psychology (3)
PY 441 Intro to Clinical Psychology (3)
PY 442 Psychotherapy (3)
PY 444 Childhood Psychopathology (3)
PY 484 Advanced Research in Psychology (3)
PY 495 Internship in Psychology (3)

Cognition
PY 353 Social Cognition (3)
PY 364 Comparative Cognition (3)
PY 460 Cognitive Processes (3)

Developmental Psychology
PY 120 The Child: Devel/Concept to Adolsc (3)
PY 220 Psychological Devel Across Life Span (3)
PY 222 Development of the Adolescent (3)
PY 525 Maturity & Aging (3)

Social/Applied Psychology
PY 250 Applied Psychology (3)
PY 251 Industrial/Organizational Psychology (3)
PY 358 Social Psychology (3)

Elective Courses:
(Choose Two Additional Courses From One of the Following Five Areas). PY484 or PY 495 may be taken only once to satisfy this option requirement (6 hours)

Basic Processes
PY 362 Learning & Memory (3)
PY 366 Intro to Sensation & Perception (3)
PY 465 Motivation & Emotion (3)
PY 466 Intro to Physiological Psychology (3)
PY 484 Advanced Research in Psychology (3)
PY 495 Internship in Psychology (3)

Clinical/Personality
PY 432 Intro to Personality (3)
PY 440 Abnormal Psychology (3)
PY 441 Intro to Clinical Psychology (3)
PY 442 Psychotherapy (3)
PY 444 Childhood Psychopathology (3)
PY 484 Advanced Research in Psychology (3)
PY 495 Internship in Psychology (3)

Cognition
PY 353 Social Cognition (3)
PY 364 Comparative Cognition (3)
PY 460 Cognitive Processes (3)

Developmental Psychology
PY 325 Psychological Devel of the Family (3)
PY 329 Psychology of Death & Dying (3)
PY 444 Childhood Psychopathology (3)
PY 484 Advanced Research in Psychology (3)
PY 495 Internship in Psychology (3)

Social/Applied Psychology
PY 250 Applied Psychology (3)
PY 251 Industrial/Organizational Psychology (3)
PY 301 Cross-Cultural Psychology (3)
PY 358 Social Psychology (3)
PY 359 Psychology & the Law (3)
PY 450 Organizations as Open Systems (3)
PY 484 Advanced Research in Psychology (3)
PY 495 Internship in Psychology (3)

RECREATION

57 Hour Major - No Minor Required

Required Courses:
RC 100 Leisure in a Diverse Culture (3)
RC 140 Intro to Recreation Services (3)
RC 220 Leadership and Group Dynamics (3)
RC 260 Intro to Therapeutic Recreation (3)
RC 288 Practicum in Recreation Services (3)
RC 303 Research Methods (3)
RC 380 Programming for Recreation Services (3)
RC 385 Rec Facilities Planning & Mgmt (3)
RC 405  Trends & Issues in Rec & Leisure (3)
RC 420  Organization & Admin of Rec Svcs (3)
RC 440  Facilitation of Group Development (3)
RC 497  Recreation Internship (12)

Choose 12 Hours From:
- RC 112  Intro to Music Therapy (3)
- RC 116  Special Topics in Health & Leisure (1-3)
- RC 119  Outdoor Adventure Special Topics (1-3)
- RC 150  Outdoor Living Skills (3)
- RC 151  Outdoor Adventure Skills (3)
- RC 210  Camp Leadership (3)
- RC 230  Recreational Sports (3)
- RC 245  Mentoring Principles & Practices (3)
- RC 250  Foundations of Outdoor Recreation (3)
- RC 270  Commercial Recreation (3)
- RC 300  Leisure Education (3)
- RC 304  Therapeutic Rec & Prog Design (3)
- RC 310  Outdoor Leadership (3)
- RC 311  Parks/Outdoor Resource Mgmt (3)
- RC 316  Special Topics in Health & Leisure (1-3)
- RC 324  Independent Study/Therapeutic Rec (3)
- RC 345  Youth Development Through Leisure (3)
- RC 360  Therapeutic & Adapted Rec Svcs (3)
- RC 450  Outdoor Adventure Therapy (3)
- RC 460  Problems & Issues in Therapeutic Rec (3)
- UI 354  Lifestyle Enhancement (3)*
- UI 387  Environ Law & Public Policy (3)*
- UI 427  Service & Community (3)*
- UI 429  Environmental Ethics (3)*

*Only 3 hours of UI courses may be applied to the elective hours.

NOTE: Therapeutic Recreation is a specific area in which professional certification can be earned. Inquire at the Department of Health, Human Performance and Recreation for specific information to prepare for certification. First Aid/CPR certification is strongly encouraged for all Recreation majors.

SOCIAL WORK

57 Hour Major - No Minor Required
(See Admission to Social Work Program criteria under Admissions, page 14. A grade of ‘C’ or better is required in all courses within the major including additional requirements.)

Required Courses:
- SW 110  Intro to Social Work (3)
- SW 201  Social & Economic Justice (3)
- SW 207  Undrstndg Cultrl & Soc Diversity (3)
- SW 221  Interviewing Skills for Generalist Pract (3)
- SW 242  Statistics for Social Scientists (3)
- SW 307  Human Behav/Social Environment I (3)
- SW 308  Human Behav/Social Environment II (3)
- SW 310  Social Welfare Policies & Services (3)
- SW 321  Social Work Practice I (3)
- SW 322  Social Work Practice II (3)
- SW 323  Social Work Practice III (3)
- SW 342  Meth of Soc Resrch/Generalist Practc (3)
- SW 449  Social Work Integrative Seminar (3)
- SW 450  Field Education (6)
- SW 451  Field Education (6)

Choose 6 Hours From:
- HS 551  Case Management (3)
- SW 351  Child Welfare Services (3)
- SW 352  Social Welfare Services to the Aged (3)
- SW 353  Child Development (3)
- SW 354  Crisis Intervention (3)
- SW 355  Special Topics in Social Work (3)
- SW 356  Social Work in Mental Health (3)
- SW 387-389 Independent Study in Social Work (1-3)
(With approval from advisor, one other 300 or 400 level course may be substituted for a Social Work elective.)

Additional Requirements: 9 Hours
- SW/BS 103 Human Biology (3)
- PY 101  Psych Perspectives/Human Behavior (3)
- SO 102  Society, Culture & Social Behavior (3)

SPORT MANAGEMENT

42 Hour Major – Business Administration Minor Required

Required Core Courses:
- MK 351  Sport Marketing (3)
- PE 201  Sport & Society (3)
- SM 220  Intro to Sport Management (3)
- SM 340  Sport Ethics (3)
- SM 360  Sporting Event Management (3)
- SM 370  Practicum in Sport Management (2)
- SM 455  Sport-Related Venue Design & Operation (3)
- SM 460  Fund of Sport Delivery Systems (3)
- SM 465  Prof Seminar in Sport Mgmt (1)
- SM 470  Sport Management Internship (12)
- SM 540  Legal Aspects of Sport & Physical Activity (3)
- SM 570  Mgmt & Leadership in Sport Organizations (3)

Required Support Courses:
- MC 101  Mass Communication & Society (3)
- PL 204  Ethical Theory (3)
- SC 105  Fundamentals of Oral Communication (3)
- SC 155  Fundamentals of Interpersonal Communication (3)
Bachelor of Science in Business Administration Majors

Southeast Missouri State University 2009-10

BACHELOR OF SCIENCE IN
BUSINESS ADMINISTRATION
DEGREE

For students planning careers in business. See Admission to Business Administration Programs criteria under Admissions, page 11. The areas from which majors must be chosen are:

- Accounting
  - Administrative Systems Management
- Economics
  - Options: Business Economics
  - Financial Economics
- Finance
- International Business Management
  - Options: Entrepreneurship
    - Human Resource Management
- Management Information Systems
- Marketing
  - Options: Integrated Marketing
    - Communications
  - Marketing Management
- Organizational Administration

Normally, 50 percent of an individual's business degree program (60 hours) must be comprised of non-business courses.

Fifty percent of the business hours counted toward a business degree must be taken at Southeast Missouri State University.

BUSINESS ADMINISTRATION CORE

Business students must be admitted to the College of Business prior to enrolling in upper division (300 level or above) business courses.

33 Hours Required
(A grade of ‘C’ is required in each core course.)

Required Courses:
- AC 221 Principles of Accounting I (3)
- AC 222 Principles of Accounting II (3)
- BA 490 Business Policy & Strategy (3)
- BL 255 Legal Environment of Business (3)
- FI 361 Financial Management (3)
- MG 301 Principles of Management (3)
- MI 375 Management Information Systems (3)
- MK 301 Principles of Marketing (3)
- QM 352 Management Science (3)
- QM 358 Production/Operations Management (3)

Choose 3 Hours From:
- AC 540 International Perspectives of Accounting (3)
- BA 560 International Business Study Tour (3)
- EC 580 International Economics (3)
- FI 540 International Finance (3)
- MG 560 International Management (3)
- MK 560 International Marketing (3)

International Course taken to meet Business Administration Core requirement may not be counted on a major.

Support Courses

30 Hours Required
(Some courses may fulfill University Studies requirements. A grade of ‘C’ or better is required in each support course.)

- AD 101 Intro to Microcomputer Applications (3)
- EC 215 Principles of Microeconomics (3)
- EC 225 Principles of Macroeconomics (3)
- EN 140 Rhetoric & Critical Thinking (3)
- MA 134 College Algebra (3)
- MA 139 Applied Calculus (3)
- MG 252 Business Communication (3)
- QM 257 Business Statistics (3)
- SC 105 Fundamentals of Oral Communication (3)
- UI 400 Business & Ethics (3)

NOTE: All 100 and 200 level core and support courses are prerequisite to all 300 level business core and business major courses.

ACCOUNTING

27 Hour Major - No Minor Required

Required Courses:
- AC 321 Intermediate Accounting I (3)
- AC 330 Accounting Information Systems (3)
- AC 331 Cost/Managerial Accounting (3)
- AC 332 Intermediate Accounting II (3)
- AC 435 Income Tax Accounting (3)
- AC 437 Auditing (3)

Choose 9 Hours From:
- AC 375 Financial Statement Analysis (3)
- AC 531 Strategic/Cost Managerial Accounting (3)
- AC 534 Advanced Accounting (3)
- AC 540 International Perspectives in Accntg (3)
- AC 545 Advanced Income Tax Accounting (3)
- AC 547 Accounting Theory (3)
- AC 548 Not-For-Profit Accounting (3)
- AC 573 Internship in Accounting (3)
- BL 563 Law & Business (3)
ADMINISTRATIVE SYSTEMS MANAGEMENT

21 Hour Major - No Minor Required

Required Courses:
- AD 222 Microcomputer Appl for Business (3)
- AD 331 Advanced Word Processing (3)
- AD 339 Network Support Systems (3)
- AD 341 Information Systems Procedures (3)
- AD 353 Admin Systems Management (3)

Choose 6 Hours From:
- AC 330 Accounting Information Systems (3)
- AD 210 Business Computing Fundamentals (3)
- AD 337 Admin Systems Mgmnt Internship (3)
- IS 130 Visual Basic Programming I (3)
- MG 356 Human Resources Management I (3)
- UI 301 Managerial Communication Processes (3)

ECONOMICS

25 Hour Major - No Minor Required

Choose One 25 Hour Option:

BUSINESS ECONOMICS

EC 410 Macroeconomic Theory (3)
EC 420 Microeconomic Theory (3)
EC 498 Economics Seminar (1)
EC 561 Managerial Economics (3)

Choose 6 Hours From:
- EC 351 Applied Economic Models (3)
- EC 380 Labor Economics (3)
- EC 490 Business & Econ Forecasting (3)
- UI 371 Government & Business (3)

Choose 9 Hours From:
- EC xxx EC course, (235-500 level)
- UI 349 Comparative Economic Systems (3)
- UI 366 Law and Economics (3)

FINANCIAL ECONOMICS

EC 335 Monetary Economics (3)
EC 410 Macroeconomic Theory (3)
EC 420 Microeconomic Theory (3)
EC 380 International Economics (3)
EC 498 Economics Seminar (1)

Choose 6 Hours From:
- EC 351 Applied Economic Models (3)
- EC 470 Public Sector Economics (3)
- EC 580 International Economics (3)
- FI 368 Investments (3)

Choose 6 Hours From:
- EC xxx EC course (235-500 level)
- UI 322 International Political Economy (3)
- UI 349 Comparative Economic Systems (3)
- UI 366 Law & Economics (3)
- UI 371 Government & Business (3)

NOTE: No more than 6 hours of UI courses may be selected.

FINANCE

24 Hour Major - No Minor Required

Required Courses:
- FI 362 Advanced Financial Management (3)
- FI 364 Modern Financial Institutions (3)
- FI 368 Investments (3)
- FI 480 Financial Policy (3)

Choose 12 Hours From:
- FI 351 Principles of Insurance (3)
- FI 363 Entrepreneurial Finance (3)
- FI 365 Real Estate Principles & Practices (3)
- FI 473 Internship in Finance (3)
- FI 475 Futures Seminar (3)
- FI 493 Independent Study in Finance (1-3)
- FI 540 International Finance (3)
- FI 568 Portfolio Seminar (3)

Three of the above twelve hours may be from the following:
- AC 321 Intermediate Accounting (3)
- AC 375 Financial Statement Analysis (3)
- EC 335 Money & Banking (3)
- EC 351 Applied Economic Models (3)
- EC 410 Macroeconomic Theory (3)

INTERNATIONAL BUSINESS

18 Hour Major

INTERNATIONAL CORE COURSES:

Choose 9 Hours From:
- AC 540 International Accounting (3)
- BA 458 International Business Internship (3)
- BA 560 International Business (3)
- EC 580 International Economics (3)
- FI 540 International Finance (3)
- MG 560 International Management (3)
- MK 560 International Marketing (3)

Required minor to be selected in any department in the Harrison College of Business (except “Business Administration” minor).

FOREIGN LANGUAGE/ CULTURAL SUPPORT

3 credit hours of University foreign language/culture instruction or equivalent (e.g., 2 years of high school language with a grade of ‘C’ or better) and a term of study abroad of at least 8 weeks

OR

12 credit hours of foreign language/culture instruction and an international immersion program less than 8 weeks in length
MANAGEMENT

24 Hour Major - No Minor Required
(A grade of 'C' or better is required in all required courses in the major. Cannot double count elective choices in more than one option.)

Required Management Core Courses:
MG 356 Human Resource Management (3)
MG 362 Management Skills (3)
MG 470 Leadership in Management (3)
MG 550 Improving Team Performance (3)

Choose One 12 Hour Option:

ENTREPRENEURSHIP

Required Courses
BA 361 Entrepreneurship (3)
BA 521 Topics in Entrepreneurship (3)

Select 3 hours from the following:
AC 375 Financial Statement Analysis (3)
BA 560 International Business Study Tour (3)*

MG/MK 300-500 level course except MG/MK301 or MG/MK560 (3)

HUMAN RESOURCE MANAGEMENT

Required Courses:
MG 354 Topics in Mgmt Communication (3)
MG 446 Human Resource Management II (3)
MG 456 Topics in Human Resource Mgmt (3)

Choose 3 Hours From the Following:
BA 361 Entrepreneurship (3)
BA 560 International Business Study Tour (3)*
EC 380 Labor Economics (3)
IM 411 Total Quality Assurance (3)
MI 410 Business Database Systems (3)

MG/MK 300-500 level course except MG/MK301 or MG/MK560 (3)

MANAGEMENT

Required Courses:
MG 354 Topics in Mgmt Communication (3)
MG 462 Org Theory & Design (3)

Choose 6 hours from the following:
BA 361 Entrepreneurship (3)
BA 560 International Business Study Tour (3)*
IM 411 Total Quality Assurance (3)
MG 456 Topics in Human Resource Mgt (3)
MG 457 Topics in Organizational Behavior (3)
MG 473 Internship in Management (3)
MI 410 Business Database Systems (3)

*If selected as elective, cannot also count for international course requirement for the BSBA degree.

MANAGEMENT INFORMATION SYSTEMS

24 Hour Major – No Minor Required

Required Courses:
IS 130 Visual Basic Programming I (3)
MI 410 Bus Database Systems (3)
MI 420 Telecommunications Mgmt (3)
MI 440 Web Design for Electronic Commerce (3)
MI 445 Systems Analysis & Design (3)
MI 464 Systems Implementation & Practice (3)

Choose 6 Hours From:
AC 330 Acctg Info Systems (3)
AD 339 Network Support Systems (3)
CS 265 Computer Science II (4)

OR

IS 330 Visual Basic Prgmg II (3)
MI 430 Knowl-Bsd Dec Sprt Syst for Mgmt (3)
MI 439 Electronic Commerce (3)
MI 473 Internship in MIS (3)
MI 575 Information Technology Mgmt (3)

MARKETING

24 Hour Major - No Minor Required

Required Marketing Core:
MK 343 Advertising & Promotion (3)
MK 344 Consumer Behavior (3)
MK 345 Intro to Business Research (3)
MK 449 Marketing Management (3)

Choose 3 Hours MK Courses (300-500 level) (except MK 301) MK 560 or BA560*

Choose One Option:

INTEGRATED MARKETING COMMUNICATIONS

MK 341 Public Relations (3)
MK 342 Professional Selling (3)
MK 443 Integrated Mktg Comm Pract (3)

MARKETING MANAGEMENT

MK 346 Distribution Management (3)
MK 348 Product & Pricing Strategy (3)
MK 473 Marketing Internship (3)

OR

MK 483 Pract in Strategic Marketing (3)

*If selected as elective, cannot also count for international course requirement for the BSBA degree.

ORGANIZATIONAL ADMINISTRATION

24 Hour Major - No Minor Required

Required Courses:
AC 375 Financial Statement Analysis (3)
EC 561 Managerial Economics (3)
MG 354 Topics in Management Communication (3)
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**MG 362**  Management Skills (3)
**MG 462**  Org Theory & Design (3)
**MK 343**  Advertising and Promotion (3)

Choose 6 Hours from Business Courses (300-500 Level)*
*Core and support courses for BSBA degree will not count here.

**BACHELOR OF SCIENCE IN EDUCATION DEGREE**

For students planning to teach in elementary and secondary schools. Five curricula are offered:

**Early Childhood Education (pre-school-grade 3)**

**Elementary Education (grades 1-6)**

**Exceptional Child Education (grades K-12)**

**Middle School Education (grades 5-9)**

**Secondary Education (grades 9-12)**

All majors in education must meet requirements for admission to Teacher Education as listed on page 15. Regardless of printed program requirements, any changes or additions mandated by the State of Missouri will be come effective on the date cited by the regulations.

Students transferring into education programs must complete three semester hours of English Composition with grades of ‘C’ or better to meet certification requirements.

Background checks are required for CE 368, EL 120, EL 314, EL 350, EX 390 and Block IV Student Teaching.

**EARLY CHILDHOOD EDUCATION**

Students in Early Childhood (birth through third or birth through sixth) desiring to be admitted to and retained in the College of Education may not add a minor or specialization to this major without approval from the College of Education. Other minors which may extend one’s graduation date or affect scholarship or financial assistance must be approved by the College of Education since unapproved minors do not extend one’s certification. (Students in early childhood adding on elementary grades 1-6 do not need special approval.)

Professional Education Requirements: 63 Hours
*(A minimum grade of “C” is required in each professional education course.)*

**BLOCK I: 5 Hours**

PY/CF 120 The Child: Devel/Conception to Adolsc (3)
EL 120 Elementary Field Experience I (2)

**BLOCK II: 15 Hours**

EF 304 School & Society (2)
EL 313 Children & the Arts (3)
EL 314 Elementary Field Experience (3)
EL 315 Theories of Learning & Management (2)
EL 316 Foundations of Reading Techniques (3)
EL 317 Foundations of Lang Arts Techniques (2)

**BLOCK III: 14 Hours**

EL 350 Elementary Field Experience (3)
EL 351 Tech of Teaching Elem Science (2)
EL 352 Tech of Teaching Elem Social Studies (1)
EL 353 Tech of Teaching Elem Mathematics (2)
EL 354 Corrective Reading Instruction (3)
EX 390 Psych & Educ of the Except Child (3)

**EARLY CHILDHOOD BLOCK: 18 Hours**

CE 340 Parent/School Collaborations (3)
CE 365 Connctg Assmt & Curric in Early Yrs (2)
CE 366 Devel Curric in Early Chldhd Educ (4)
CE 368 Early Childhood Field Experience (3)
CE 370 Lang Dvlpmnt of Young Child (3)
CF 300 Parent Education (2)
CF 301 Parent Education Lab (1)

**BLOCK IV: 12 Hours**

CE 499 Portfolio Review (0)
CE 433 Student Tching Early Childhood (1st) (6)
CE 434 Student Tching Early Childhood (2nd) (6)

**Special Early Childhood Requirements: 16 Hours**

BS 118 Intro Process Science Elem Teachers (1)
CF 200 Guiding Alternatives (3)

**OR**

CE 330 Classroom Management (3)
CF 290 Preschool Participation (2)
CF 291 Preschool Participation Laboratory (1)
CF 316 Prenatal & Infant Growth (2)
CF 317 Prenatal & Infant Growth Laboratory (1)
EL 210 Instructional Tech in the Classroom (2)
FN 425 Health, Safety & Nutrition (3)
MU 356 Music Skills/Classroom Teacher (1)

**Additional Requirements: 33 Hours**
*(Some courses may fulfill University Studies requirements)*

BS 218 Biological Science: A Process Apprch (3)
EC 101 Economic Problems & Policies (3)

**OR**

EC 215 Principles of Microeconomics (3)

**OR**

AG 201 World Food & Society (3)
EL 274 Diversity in American Schools (3)
EN 140 Rhetoric & Critical Thinking (3)
LI 243 Children’s Literature (3)
MA 118 Mathematics I (3)
PH 218  Physical Science: A Process Approach (3)
PS 103  U.S. Political Systems (3)
SC 105  Fundamentals of Oral Communication (3)
UI 318  Earth Science: A Process Approach (3)
US 105  American History I (3)

OR
US 107  American History II (3)

ELEMENTARY EDUCATION

Only approved areas of specializations as listed below will allow students to be admitted to and retained in the College of Education. Other minors which may extend one’s graduation date or risk loss of scholarship or financial assistance must be approved by the College of Education since such minors do not extend one’s certification.

In addition to other requirements, an Area of Specialization must be chosen from:
- Art
- Physical Education
- Foreign Languages
- Science
- Language & Literature
- Social Studies
- Mathematics
- TESOL
- Music

Professional Education Requirements: 48 Hours
(A minimum grade of “C” is required in each professional education course.)

BLOCK I: 5 Hours
PY/CF 120  The Child: Devel/Conception to Adolsc (3)
EL 120  Elementary Field Experience (2)

BLOCK II: 15 Hours
EF 304  School & Society (2)
EL 313  Children & the Arts (3)
EL 314  Elementary Field Experience (3)
EL 315  Theories of Learning & Management (2)
EL 316  Foundations of Reading Techniques (3)
EL 317  Foundations of Lang Arts Techniques (2)

BLOCK III: 16 Hours
EL 350  Elementary Field Experience (3)
EL 351  Tech of Teaching Elem Science (2)
EL 352  Tech of Teaching Elem Social Studies (1)
EL 353  Tech of Teaching Elem Mathematics (2)
EL 354  Corrective Reading Instruction (3)
EL 355  Reading: Study Strategies & Skills (2)
EX 390  Psych & Educ of the Except Child (3)

BLOCK IV: 12 Hours
EL 499  Portfolio Review (0)
EL 453  Student Teaching Elementary (1st) (6)
EL 454  Student Teaching Elementary (2nd) (6)

Special Elementary Requirements: 15 Hours
BS 118  Intro Process Science Elem Teachers (1)
EL 210  Instructional Tech in the Classroom (2)
EL 274  Diversity in American Schools (3)
HL 210  Health & Safety (2)
MA 318  Math for Elementary Teachers II (3)
MA 418  Geometry for Teachers (3)
MU 356  Music Skills/Classroom Teacher (1)

Additional Requirements: 33 Hours
(These courses may also meet University Studies requirements)
BS 218  Biological Science: A Process Approach (3)
EC 101  Economic Problems & Policies (3)
EN 140  Rhetoric & Critical Thinking (3)
LI 243  Children’s Literature (3)
MA 118  Mathematics I (3)
PH 218  Physical Science: A Process Approach (3)
PS 103  U.S. Political Systems (3)
SC 105  Fundamentals of Oral Communication (3)
UI 308  Physical/Cultural Landscapes of the World (3)
UI 318  Earth Science: A Process Approach (3)
US 105  American History I (3)

OR
US 107  American History II (3)

EXCEPTIONAL CHILD EDUCATION WITH ELEMENTARY CERTIFICATION

Students in this major must have a declared major in Exceptional Child with Elementary Certification in order to be admitted to and retained in the College of Education. Minors which may extend one’s graduation date or affect scholarship or financial assistance must be approved by the College of Education since unapproved ones do not extend one’s certification.

Professional Education Requirements: 77 Hours
(A minimum grade of “C” is required in each professional education course.)

BLOCK I: 11 Hours
EL 120  Elementary Field Experience (2)
EX 311  Intro to the Exceptional Child (3)
EX 318  Intro to Cross Categorical (3)
PY/CF 120  The Child: Devel/Conception to Adolsc (3)

BLOCK II: 18 Hours
EX 302  Language Devel of the Except Child (2)
EX 307  Parents & the Exception Child (3)
EL 313  Children & the Arts (3)
EL 314  Elementary Field Experience (3)
EL 315  Theories of Learning & Management (2)
EL 316  Foundations of Reading Techniques (3)
EL 317  Foundations of Lang Arts Techniques (2)
BLOCK III: 16 Hours
EL 350 Elementary Field Experience (3)
EL 351 Tech of Teaching Elem Science (2)
EL 352 Tech of Teaching Elem Social Studies (1)
EL 353 Tech of Teaching Elem Mathematics (2)
EL 354 Corrective Reading Instruction (3)
EL 355 Reading Study Strategies & Skills (2)
EX 312 Diag & Remed of I.D in Math (3)

BLOCK IIIa: 17 Hours
EF 304 School & Society (2)
EX 304 Behavior Management (3)
EX 305 Teach Strat/Career Dev for MH Adoles (3)
EX 309 Except Child Educ Field Experience (3)
EX 317 Assmt & Tech of Teaching Except Child (3)
EX 373 Techniques of Cross Categorical (3)

BLOCK IV: 12 Hours
EL 455 Student Teaching Elem (8)
EX 471 Student Teaching CC (6)
EX 499 Portfolio Review (0)

Special Exceptional Child Requirement: 9 Hours
BS 118 Intro Process Science Elem Teachers (1)
EL 250 Instructional Tech in the Classroom (2)
EL 274 Diversity in American Schools (3)
HL 210 Health & Safety (2)
MU 356 Music Skills/Classroom Teacher (1)

Additional Requirements: 30 Hours
(Some courses may also meet University Studies requirements)
BS 218 Biological Science: A Process Apprch (3)
EC 101 Economic Problems and Policies (3)
EN 140 Rhetoric & Critical Thinking (3)
LI 243 Children’s Literature (3)
MA 118 Mathematics I (3)
MA 318 Mathematics II (3)
MA 418 Geometry for Teachers (3)
PH 218 Physical Science: A Process Approach (3)
PS 103 U.S. Political Systems (3)
SC 105 Fundamentals of Oral Communication (3)
UI 308 Physical & Cultural Landscapes (3)
UI 318 Earth Science: A Process Approach (3)
US 105 American History I (3)

OR
US 107 American History II (3)

MIDDLE AND SECONDARY EDUCATION

MIDDLE SCHOOL EDUCATION: Grades 5-9
Middle School Professional Education Requirements: 43 Hours
Middle Level students must choose two subject area concentrations and take the following professional education courses:

(A minimum grade of “C” is required in each professional education course.)

BLOCK I:
SE 200 Intro to MSE Technology (2)
SE 202 Intro to MSE Teaching (2)

BLOCK II: 17 Hours
EF 304 School & Society (2)
SE 275 Diversity in America’s Schools (3)
SE 301 Fundamentals of Middle School Education (3)
SE 302 Teaching Reading & Writing in Mid School (3)
SE 305 Secondary Block II Field Experience (2)
SE 306 Theories of Learning & Management (2)
SE 307 Teaching Reading/Secondary School (2)

BLOCK III: 13 Hours
EX 390 Psychology & Educ of Except Child (3)
SE 300 Technology to Enhance Learning (2)
SE 3XX Special Subject Techniques Course (3)*
SE 3XX Special Subject Techniques Course (3)*
SE 371 Middle Block III Field Experience – Lang. Arts (1)*
SE 372 Middle Block III Field Experience – Math (1)*
SE 373 Middle Block III Field Experience – Science (1)*
SE 374 Middle Block III Field Experience – Social Studies (1)*

BLOCK IV: 13 Hours
EF 400 Seminar/Educ Issues for Student Teachers (1)
SE 463 Student Teaching Secondary (1st) (6)
SE 464 Student Teaching Secondary (2nd) (6)

Choose One Option
OPTION I: Middle School Majors must take Option I with Two Areas of Concentration (42-43 Hours) (See advisor for specific courses required in each option.)

Language Arts (21)
Mathematics (21)
Science (22)
Social Studies (21)

OPTION II: Single Concentration for Secondary Major adding Middle or an Elementary Major adding Middle (Middle Level must complete Option 1) (30-33 Hours)

Language Arts (30)
Mathematics (30)
Science (33)
Social Studies (30)

*Middle level majors must choose two areas of concentration, which require two Techniques courses and each Techniques course requires its own specialty SE37X Middle Block III Field Experience for a total of 2 hours of Block III field experience.
SECONDARY EDUCATION

Secondary level majors must choose from the following majors:

- Art Education (K-12)
- Business & Marketing Education
- Chemistry Education
- English Education
- French Education (K-12)
- German Education (K-12)
- Industrial Education
- Mathematics Education
- Physics Education
- Physical Education (K-12)
- Social Studies Education
- Spanish Education (K-12)
- Speech & Theatre Education
- Unified Science: Biology
- Unified Science: Chemistry
- Unified Science: Physics
- Unified Science: Physics

Certification programs are available in Speech and Language Specialist (K-12), and Teaching English as a Second Language (K-12). Additionally, a Music Education major is available on the Bachelor of Music Education degree and a major in Family and Consumer Sciences Education is available on the Bachelor of Science in Family and Consumer Sciences Education degree.

A minimum grade of “C” is required in each course in the content major and in each professional education course.

Secondary Professional Education Requirements:
37 Hours

**BLOCK I:**
- SE 200 Intro to MSE Technology (2)
- SE 202 Intro to MSE Teaching (2)

**BLOCK II:** 14 Hours
- EF 304 School & Society (2)
- SE 305 Secondary Block II Field Experience (2)
- SE 306 Theories of Learning & Management (2)
- SE 307 Teaching Reading/Secondary School (2)
- SE 308 Fund of High School Education (3)
- SE 275 Diversity in America’s Schools (3)

**BLOCK III:** 10 Hours
- EX 390 Psychology & Educ of Except Child (3)
- SE 300 Technology to Enhance Learning (2)
- SE xxx Special Subject Techniques Course (3)
- SE 370 Secondary Block III Field Experience (2)

**BLOCK IV:** 13 Hours
- EF 400 Seminar/Educ Issues for Student Teachers (1)
- SE 463 Student Teaching Secondary (1st) (6)
- SE 464 Student Teaching Secondary (2nd) (6)

Additional Requirements – Middle School & Secondary Education: 12-18 hours

(These courses may meet University Studies requirements and must be completed with a minimum grade of “C”)

- EN 140 Rhetoric & Critical Thinking (3)
- PY 222 Development of the Adolescent (3)
- SC 105 Fundamentals of Oral Communication (3)

Any BL/BS course in Living Systems (3)
- US 105 American History I (3)
  - OR
- US 107 American History II (3)
- PS 103 US Political Systems (3)
- Any CH, PH, GO course
  - OR
- UI 373 Historical Geology (3-5)

Middle Level students only must also take:
- MA 218 Middle School Mathematics (3)
  - OR
- MA 118 Mathematics I (3)
  - AND
- MA 318 Mathematics II (3)

ART EDUCATION

42 Hour Major - No Minor Required
(A grade of ‘C’ or better is required in all courses within the major.)

Required Courses:
- AH 110 Art History Survey I (3)
- AH 210 Art History Survey II (3)
- AR 001 Freshman Core Review (0)
- AR 100 Drawing I (3)
- AR 104 Design Foundations (3)
- AR 106 3D Foundations (3)
- AR 150 Structural Figure Drawing (3)
- AR 201 Color Composition (3)
- AR 270 Art for the Elementary Teacher (3)
- AR 330 Fibers I (3)
- AR 332 Sculpture I (3)
- AR 342 Ceramics I (3)

Choose 3 Hours From:
- AR 320 Watercolor I (3)
- AR 325 Painting (3)

Choose 3 Hours From:
- AR 302 Printmaking (3)
- AR 303 Screenprinting (3)
- AR 501 Intaglio Printmaking (3)
- AR 502 Litho Printmaking (3)

Choose 3 Hours Art Elective (300-500 level)

Two pieces of artwork must be entered in the juried student assessment exhibition each year.
BIOLOGY EDUCATION

52-70 Hour Major - No Minor Required

Required Courses:
- BI 151 Biological Reasoning (3)
- BI 152 Intro to Scientific Investigation (1)
- BI 153 Intro to Organismal Biology (4)
- BI 154 Genetics and Cell Biology (4)
- BI 200 General Microbiology (3)
- BI 489 Analysis of Biological Issues (2)
- MA 133 Plane Trigonometry (3)
- MA 134 College Algebra (3)
- UI 422 Scientific Reasoning (3)

6 hours Biology electives – BI/BO/ZO 300 level or higher

Choose One Option:

BIOLOGY EDUCATION OPTION:
- BS 105 Environmental Biology (3)
- OR
- BI 332 General Ecology (3)
- BS 113 Anatomy & Physiology I (4)

AND

- BS 114 Anatomy & Physiology II (4)

OR

- 6 hours Biology electives – BI/BO/ZO 300 level or higher*
- PH 106 Physical Concepts (3)
- OR
- PH 120 Intro Physics I (5)

AND

- PH 121 Intro Physics II (5)
- CH 181 Basic Prin of Chemistry (5)

OR

- CH 185 General Chemistry I (5)

AND

- CH 186 General Chemistry II (3)

Choose one of the following:
- GO 110 Physical Geology (3)
- GO 220 Meteorology (3)
- GO 320 Oceanography (3)
- UI 318 Earth Science: Proc Approach (3)

UNIFIED SCIENCE OPTION:
- BI 332 General Ecology (3)
- BS 113 Anatomy & Physiology I (4)
- BS 114 Anatomy & Physiology II (4)
- CH 185 General Chemistry I (5)
- CH 186 General Chemistry II (3)
- GO 110 Physical Geology (3)
- GO 220 Meteorology (3)
- GO 320 Oceanography (3)
- PH 120 Intro Physics I (5)
- PH 121 Intro Physics II (5)

*One course must be BO or ZO prefix is BS 113/BS 114 are not chosen

BUSINESS AND MARKETING EDUCATION

36 Hour Major - No Minor Required

(A grade of ‘C’ or better is required in all courses within the major.)

AC 221 Principles of Accounting I (3)
AD 101 Intro to Microcomputer Appl (3)
AD 222 Microcomputer Appl for Business (3)
AD 331 Advanced Word Processing (3)
AD 339 Network Support Systems (3)
AD 341 Information Systems Procedures (3)
AD 337 Admin Systems Mgmt Internship (3)
BL 255 Legal Environment of Business (3)
FI 260 Personal Finance (3)
MG 252 Business Communication (3)
MG 301 Principles of Management (3)
MK 301 Principles of Marketing (3)

Additional requirements:
- EC 215 Principles of Microeconomics (3)
- IU 305 Entrepreneurship (3)
- UI 351 Public Opinion Management (3)

OR

- UI 359 Consumers: Buying/Having/Being (3)
- UI 400 Business & Ethics (3)

NOTE: For certification information, contact departmental advisor.

CHEMISTRY EDUCATION

59-75 Hour Major - No Minor Required

(A grade of ‘C’ or better is required in all courses within the major.)

Required Courses:
- CH 185 General Chemistry I (5)
- CH 186 General Chemistry II (3)
- CH 187 Qualitative Analysis (2)
- CH 271 Quantitative Analysis (4)
- CH 310 Intro to Physical Chemistry (5)
- CH 341 Organic Chemistry I (4)
- CH 342 Organic Chemistry Lab I (1)
- PH 120 Introductory Physics I (5)

AND

- PH 121 Introductory Physics II (5)

OR

- PH 230 General Physics I (5)

AND

- PH 231 General Physics II (5)
- UI 331 Biochemistry I (3)
- UI 422 Scientific Reasoning (3)
- UI 443 Professional Exp in Chemistry (3)
Choose 3 Hours From:
BS 108  Biology for Living (3)
BS 218  Bio Science: A Process Approach (3)

Additional Requirements: 6 Hours
MA 134  College Algebra (3)
MA 139  Applied Calculus (3)

Choose one option:
CHEMISTRY EDUCATION OPTION:
Choose one of the following:
GO 110  Physical Geology (3)
GO 220  Meteorology (3)
GO 320  Oceanography (3)
UI 318  Earth Science: Process Approach (3)

Choose one of the following:
BI 332  General Ecology (3)
BS 105  Environmental Biology (3)
CH 350/EV 350 Environmental Chem (3)
GO 150  Earth Science: Environ Hazards (3)
GO 305  Environmental Geoscience (3)
UI 360  Recycling & Waste Management (3)
UI 372  Earthquakes & Society (3)

UNIFIED SCIENCE OPTION:
BO 200  Plant Biology (3)
CH 350/EV 350 Environmental Chem (3)
GO 110  Physical Geology (3)
GO 220  Meteorology (3)
GO 320  Oceanography (3)
MA 133  Plane Trigonometry (3)
ZO 200  Animal Biology (3)

ENGLISH EDUCATION
36 Hour Major - No Minor Required
(A grade of ‘C’ or better is required in all courses within the major.)
Required Courses:
EN 201  Writing About Literature (3)
EN 378  Grammars of English (3)
EN 379  Composition in the Secondary School (3)
LI 260  English Lit I (3)

OR
LI 261  English Lit II (3)
LI 270  American Lit I (3)

OR
LI 271  American Lit II (3)
LI 311  World Literature I (3)

OR
LI 312  World Literature II (3)
LI 385  Literature in the Secondary School (3)
LI 542  Literature for Young Adults (3)

Choose 3 Hours From:
EN 486  Sociolinguistics (3)
UI 500  History of English Language (3)
UI 501  Principles of Language (3)

Choose 3 Hours From:
EN 275  Intro to Creative Writing (3)
EN 376  Advanced Composition (3)

Choose 6 Hours From:
EN 300-EN 599 English elective
LI 300-LI 599 Literature elective
UI 332  Images of Women in Literature (3)
UI 341  Victorian Studies (3)
UI 431  Shakespeare Trag & Hum Cond (3)
UI 432  Shakespeare Hist/Com & Hum Cond (3)

Additional Requirement:
LI 256  Variety of Literature (3)

FRENCH EDUCATION
36 Hour Major - No Minor Required
(A grade of ‘C’ or better is required in all courses within the major.)
Required Courses:
FR 001  French Exit Exam (0)
FR 100  French Language & Culture I (3)
FR 120  French Language & Culture II (3)
FR 200  French Language & Culture III (3)
FR 220  French Literature (3)
FR 306  Contemporary France (3)
FR 320  French Pronunciation & Phonetics (3)

Choose 6 Hours From:
FL 311  Survey of FR, GN & SN Lit (3)
FR 311  Survey of French Literature II (3)
FR 415  17th Century French Literature (3)
FR 430  20th Century French Literature (3)

Choose 6 Hours From:
FR 301  Intermediate French Composition (3)
FR 305  Intermediate French Conversation (3)
FR 315  Commercial French (3)
FR 330  French Grammar (3)

Choose 6 Hours FL/FR Electives (300-500 level)
Additional Requirement:
Choose 3 Hours From:
EH 366  Age of French Rev & Napoleon (3)
EH 370  Europe in the 20th Century (3)
EH 514  History of Modern France (3)
FL 205  Art of French Cinema (3)
GG 170  European Peoples & Civilization (3)
UI 362  Contemporary French Civilization (3)
UI 375  European Film (3)
WH 103  European Civilization (3)
GERMAN EDUCATION

36 Hour Major - No Minor Required
(A grade of ‘C’ or better is required in all courses within the major.)

Required Courses:
GN 001  German Exit Exam (0)
GN 100  German Language & Culture I (3)
GN 120  German Language & Culture II (3)
GN 200  German Language & Culture III (3)
GN 220  German Literature (3)
GN 320  German Culture & Civilization (3)
GN 310  Survey of German Literature I (3)
GN 311  Survey of German Literature II (3)
GN 424  Twentieth-Century German Literature (3)
GN 440  Special Topics: German (3)

Choose 6 Hours From:
FL 311  Survey of FR, GN & SN Lit (3)
GN 301  Intermediate German Composition (3)
GN 305  Conversational German (3)
GN 315  Commercial German (3)
GN 330  German Grammar (3)
GN 340  German Phonetics & Pronunciation (3)

Choose 6 Hours From:
CM 226  Resid Arch Drft & Design (3)
GM 282  Vector and Text Graphics (3)
GM 284  Photography Fundamentals (3)
GM 386  Interactive Multimedia & Animation (3)
MN 221  Solid Modeling & Rapid Prototyping (3)
MN 324  Design Modeling & Processes (3)

Choose 6 Hours From:
AN 101  Observing Other Cultures (3)
AN 181  Intro to Cultural Anthropology (3)
AN 341  Intro to Linguistic Anthropology (3)
AN 390  European Prehistory (3)
EH 370  Europe in the 20th Century (3)
EH 516  History of Modern Germany (3)
EH 527  Intellectual History of Europe (3)
GG 170  European Peoples & Civilization (3)
UI 375  European Film (3)
WH 103  European Civilization (3)

Mathematics Electives

Choose 9 Hours of FL/GN Electives (300-500 level)

Additional Requirement:

Choose 3 Hours From:
AN 101  Observing Other Cultures (3)
AN 181  Intro to Cultural Anthropology (3)
AN 341  Intro to Linguistic Anthropology (3)
AN 390  European Prehistory (3)
EH 370  Europe in the 20th Century (3)
EH 516  History of Modern Germany (3)
EH 527  Intellectual History of Europe (3)
GG 170  European Peoples & Civilization (3)
UI 375  European Film (3)
WH 103  European Civilization (3)

INDUSTRIAL EDUCATION

45 Hour Major - No Minor Required
15 hours of the major need to be 300-400 level courses
(A grade of ‘C’ or better is required in all courses within the major.)

Required Courses:
ET 160  Basic Electricity & Electronics (3)
ET 245  Logic Circuits (3)
IE 401  Technology Education Mgt (3)
GM 200  Vector & Bitmapped Graphics for Ind (3)
IM 102  Technical Communications (3)
MN 120  Fund of Engr Design Processes (3)
MN 170  Industrial Materials & Testing (3)
MN 203  Industrial Materials & Process I (3)
MN 204  Industrial Materials & Processes II (3)

Choose 6 Hours From:
CM 226  Resid Arch Drft & Design (3)
GM 282  Vector and Text Graphics (3)
GM 284  Photography Fundamentals (3)
GM 386  Interactive Multimedia & Animation (3)
MN 221  Solid Modeling & Rapid Prototyping (3)
MN 324  Design Modeling & Processes (3)

Choose 6 Hours From:
TN 255  Micro Maintenance & Troubleshooting (3)
TN 275  Network Fundamentals (3)
TN 375  Network Routing Protocols & Concepts (3)

Choose 6 Hours From:
CM 245  Construction Methods & Matls (3)
CM 310  Construction Building Costs (3)
CM 320  Construction Cost Estimating (3)

MATHEMATICS EDUCATION

43 Hour Major - No Minor Required
(A grade of ‘C’ or better is required in all courses within the major.)

Required Courses:
MA 138  Discrete Mathematics I (3)
MA 140  Analytic Geometry & Calculus I (5)
MA 145  Analytic Geometry & Calculus II (4)
MA 223  Elem Probability & Statistics (3)
OR
MA 523  Probability & Statistics I (3)
MA 240  Analytic Geometry & Calculus III (3)
MA 250  Foundations of Mathematics (3)
MA 334  Computer Programming (3)
MA 340  Concepts of Geometry (3)
MA 345  Linear Algebra (3)
MA 443  Elementary Number Theory (3)
MA 445  Modern Algebra (3)
MA 448  Mathematics Seminar (1)
UI 438  Nature & Growth of Mathematical Thought (3)

Choose 3 Hours From:
MA 523  Probability & Statistics I (3)
MA 540  Projective Geometry (3)
MA 545  Linear Algebra & Matrices (3)
MA 546  Advanced Calculus I (3)
MIDDLE SCHOOL EDUCATION

(5-9 CERTIFICATE)

Choose One Option

OPTION I: Two Areas of Concentration (42-43 Hours)
- Language Arts (21)
- Mathematics (21)
- Science (22)
- Social Studies (21)

OPTION II: One Area of Concentration (for Secondary adding Middle School only) (30-33 Hours)
- Language Arts (30)
- Mathematics (30)
- Science (33)
- Social Studies (30)

PHYSICAL EDUCATION

(PK-12 CERTIFICATE)

49 Hour Major - No Minor Required

Required Courses:
- BS 113 Anatomy & Physiology I (4)
- HL 231 Fitness Conditioning (3)
- PE 201 Sport & Society (3)
- PE 216 Theory & Practice of Team Sports (2)
- PE 217 Theory /Pract of Individ/Dual Leis Act (4)
- PE 220 First Aid (2)
- PE 235 Psych of Coaching & Human Perf (3)
- PE 238 Foundations, Hist, Phil of PE & Sport Mgt (3)
- PE 239 Teaching Children Physical Education (3)
- PE 240 Rhythm, Plays & Games (2)
- PE 305 Motor Devel, Learning & Behavior (3)
- PE 310 Tests & Measrmnts in Phys Act/Sport (3)
- PE 315 Methods in Middle School PE (3)
- PE 341 Physiology of Conditioning (3)
- PE 408 Phys Educ for Individuals with Disabilities (3)
- PE 464 Kinesiology (3)

Choose One Hour From the Following:
- AT 103 Swimming (1)
- AT 142 Weight Training I (1)
- AT 153 Angling, Archery & Firearms (1)
- AT 164 Golf (1)
- AT 176 Tennis (1)

Choose One Hour From the Following:
- AT 130 Aerobics (1)
- DA 130 Ballroom Dance (1)
- DA 145 Line Dance (1)

PHYSICS EDUCATION

57-73 Hour Major - No Minor Required

Required Courses:
- EP 100 Physic & Engr Concepts (1)
- MA 140 Calculus I (5)
- MA 145 Calculus II (4)
- MA 240 Calculus III (3)
- MA 245 Vector Calculus (2)
- PH 230 General Physics I (5)
- PH 231 General Physics II (5)
- PH 341 Optics (3)
- PH 345 Experimental Methods I (3)

Choose 3 Hours From:
- BI 332 General Ecology (3)
- BS 105 Environmental Biology (3)
- GO 305 Environmental Geoscience (3)
- UI 360 Recycling & Waste Mgt (3)
- UI 372 Earthquakes & Society (3)

Choose one option:

PHYSICS EDUCATION OPTION:
- CH 181 Introductory Chemistry I (5)

OR

CH 185 General Chemistry I (5)

AND

CH 186 General Chemistry II (3)

Choose 3 Hours From:
- BS 108 Biology for Living (3)
- BS 218 Bio Science: A Process Approach (3)
- BO 200 Plant Biology (3)
- ZO 200 Animal Biology (3)

Choose 3 Hours From:
- GO 110 Physical Geology (3)
- GO 220 Meteorology (3)
- GO 320 Oceanography (3)
- UI 318 Earth Sci: A Process Approach (3)

UNIFIED SCIENCE OPTION:
- CH 185 General Chemistry I (5)
- CH 186 General Chemistry II (3)
- BO 200 Plant Biology (3)
- GO 110 Physical Geology (3)
- GO 220 Meteorology (3)
- GO 320 Oceanography (3)
- ZO 200 Animal Biology (3)
Choose 3-4 Hours From:
BS 108  Biology for Living (3)
BS 218  Bio Science: A Process Approach (3)

SOCIAL STUDIES EDUCATION

57 hour major – No minor required
(A grade of ‘C’ or better is required in all courses within the major.)
Required courses:
EC 101  Economic Problems and Policies (3)
GG 150  Peoples and Places of the World (3)
GH 315  Historiography (3)
PS 103  U.S. Political Systems (3)
PY 102  Introduction to Psychology (3)
OR
PY 101  Psych Persp on Human Behr (3)
SO 102  Sociology, Culture & Soc Behr (3)
SS 200  Intro to Tchng Social Studies/Sec Schl (3)
SS 300  Constr Curr/Sec Social Studies (3)
US 105  American History I (3)
US 107  American History II (3)
WH 101  Early European Civ (3)
WH 103  Modern European Civ (3)
WH 105  World Civilizations (3)

Choose 3 hours from:
Any AN, EC, GG, PS, or SO course
HP 100  Intro to Historic Preservation (3)
UI 320  The Modern Presidency (3)
UI 339  Indians of North America (3)
UI 350  Middle East Politics (3)
UI 357  Early Am Political Thought (3)
UI 401  American Cultural Landscapes (3)
UI 452  Historical Geography of the World (3)

Choose 6 hours from:
Any US history courses (300-599) (3)
UI 313  The African American Experience (3)
UI 446  The Civil Rights Movement (3)
UI 414  The American Temper (3)

Choose 3 hours from:
GH 100  African Civilization (3)
GH 110  Chinese Civilization (3)
GH 125  Islamic Civilization (3)
GH 130  Latin American Civilization (3)

Choose 3 hours from:
Any EH or WH (300-599) (3)
UI 304  History and Culture of West Africa (3)
UI 503  Age of Alexander (3)

Choose 3 hours from:
PS 310  Govt & Politics of the Am States (3)
PS 335  American Foreign Policy (3)
PS 360  Political Parties & Voting Behrs (3)
PS 365  Legislative Process (3)
PS 390  American Judicial System (3)
PS 490  Constitutional Law (3)
UI 320  American Presidency (3)
UI 357  Early American Political Thought (3)

SPANISH EDUCATION

36 Hour Major - No Minor Required
(A grade of ‘C’ or better is required in all courses within the major.)
Required Courses:
SN 001  Spanish Exit Exam (0)
SN 100  Spanish Language & Culture I (3)
SN 120  Spanish Language & Culture II (3)
SN 200  Spanish Language & Culture III (3)
SN 220  Hispanic Literature (3)
SN 300  Spanish American Culture (3)
SN 306  Civilization of Spain (3)

Choose 6 Hours From:
FL 311  Survey of FR, GN & SN Lit (3)
SN 403  Survey of Spanish Literature I (3)
SN 404  Survey of Spanish Literature II (3)
SN 430  Spanish American Literature I (3)
SN 435  Spanish American Literature II (3)

Choose 6 Hours From:
SN 301  Intermediate Spanish Composition (3)
SN 305  Intermediate Spanish Conversation (3)
SN 316  Commercial Spanish (3)
SN 330  Spanish Grammar (3)

Choose 6 Hours FL/SN Electives (300-500 level)

Additional Requirement:
Choose 3 Hours From:
AN 101  Observing Other Cultures (3)
AN 181  Intro to Cultural Anthropology (3)
AN 341  Intro to Linguistic Anthropology (3)
AN 360  Ancient Civ of Meso-America (3)
EH 370  Europe in the 20th Century (3)
GH 125  Islamic Civilization (3)
GH 130  Latin American Civilization (3)
UI 375  European Film (3)
WH 520  Latin America Colonial History (3)
WH 524  Hist of Mexico Since 1810 (3)

SPEECH & THEATRE EDUCATION

36 Hour Major - No Minor Required
(A grade of ‘C’ or better is required in all courses within the major.)
Required Courses:
SC 155  Fund of Interpers Communication (3)
SC 160  Intercolligate Debate (2)
OR
Bachelor of Science in Education Majors / Bachelor of Music Education

Southeast Missouri State University 2009-10

SC 161 Intercollegiate Debate (2)  
SC 200 Advanced Public Speaking (3)  
SC 314 Argumentation & Problem Solving (3)  
TH 105 Rehearsal and Production (2)  
TH 155 Makeup (3)  
TH 218 Acting I (3)  
TH 231 Stagecraft I (3)  
TH 305 Rehearsal & Production (2)  
TH 316 Acting II (3)  
TH 351 Costume Design I (3)  
TH 385 Directing I (3)  
TH 485 Directing II (3)  
Additional Requirement:  
UI 425 Persuasion (3)

BACHELOR OF SCIENCE IN FAMILY AND CONSUMER SCIENCES EDUCATION DEGREE

For students planning to teach occupational family and consumer sciences or consumer homemaking in junior high or secondary schools.

A minimum grade of “C” is required in each course in the content major and in each professional education course.

FAMILY AND CONSUMER SCIENCES EDUCATION

30 Hour Major - No Minor Required

Required Courses:
CF 102 Relationships in the 21st Century (3)  
CF 120 The Child: Devel/Conception to Adolscl (3)  
CF 209 Intro to Family Systems (3)  
CF 430 Parent Child Interaction (3)  
CT 230 Apparel Analysis (3)  
FE 200 Family Resource Management (3)  
FN 205 Selection & Preparation of Foods (3)  
FN 235 Nutrition for Health (3)  
Choose 3 hours from:  
CF 402 Marriage Interaction (3)  
PY 325 Psych Devlpmnt of the Family (3)  
Additional Elective Approved by Advisor (3)

Professional Education Requirements: 41 Hours

Block I: 4 Hours  
SE 200 Intro to MSE Technology (2)  
SE 202 Intro to MSE Teaching (2)  
Block II: 14 Hours  
EF 304 School & Society (2)  
SE 305 Secondary Block II Field Experience (2)  
SE 306 Theories of Learning & Management (2)  
SE 307 Teaching Reading/Secondary School (2)  
SE 308 Fund of High School Education (3)  
SE 275 Multicultural Education (3)  
Block III: 10 Hours  
EX 390 Psych & Education of Excep Child (3)  
SE 300 Technology to Enhance Learning (2)  
SE 312 Tech of Tchng Vocational Home Econ (3)  
SE 370 Secondary Block III Field Experience (2)

Block IV: 13 Hours  
EF 400 Seminar/Educ Issues for Student Teachers (1)  
SE 465 Student Teaching Secondary (1st) (6)  
SE 464 Student Teaching Secondary (2nd) (6)  
Additional requirements: 24-28 hours  
(These courses may meet University Studies requirements and must be completed with a minimum grade of “C”)

EN 140 Rhetoric & Critical Thinking (3)  
PY 222 Development of the Adolescent (3)  
SC 105 Fundamentals of Oral Communication (3)  
Any BL/BS course (3)  
US105 American History I  
OR  
US107 American History II (3)  
PS103 US Political Systems (3)  
Any CH, PH, GO course  
OR  
UI 373 Historical Geology (3-5)

BACHELOR OF MUSIC EDUCATION DEGREE

For students planning to teach elementary or secondary school music.

MUSIC EDUCATION

65-66 Hour Major - No Minor Required

A minimum grade of “C” is required in each course in the content major and in each professional education course.

Required Courses:
ME 001 Senior Recital (0)  
ME 450 Synth of Mus Ed Method (2)  
MM 101 Theories of Music in Culture (3)  
MM 102 Basic Harmony & Form (3)  
MM 105 Aural Skills I (1)  
MM 106 Aural Skills II (1)  
MM 203 Adv Harmony, Form & Counterpoint (3)  
MM 204 Twentieth Century Techniques (3)  
MM 207 Aural Skills III (1)  
MM 208 Aural Skills IV (1)  
MH 251 History & Lit of Music to 1827 (3)
Bachelor of Music Education / Bachelor of Music

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MH 252 Evolution of Musical Style Since 1827 (3)
MP 1xx Applied Music (1+1)
MP 2xx Applied Music (1+1)
MP 3xx Applied Music (1+1)
MP 4xx Applied Music (1)
MU 001 Piano Proficiency (0)
MU 002 Sophomore Review (0)
MU 110 Recitals & Concerts (seven semesters) (0)
MU 151 Functional Piano I (1)
MU 152 Functional Piano II (1)
MU 253 Functional Piano III (1)
MU 254 Functional Piano IV (1)
MU 341 Basic Conducting (2)
UI 310 American Musical Experience (3)
UI 402 Music in World Cultures (3)

Choose three hours from:
UI 315 Electronics & Computers in Music (3)
UI 392 The Age of Romanticism (3)
UI 393 The Age of Modernism (3)
UI 394 Music & Culture: 1600-1750 (3)
UI 396 The Age of Beethoven (3)
UI 397 Music in Medieval & Renaissance Culture (3)

Choose One Option:

INSTRUMENTAL (20 Hours)
ME 250 Trumpet & Horn Techniques (1)
ME 251 Trombone/Euphonium/Tuba Tech (1)
ME 252 Flute & Double Reed Techniques (1)
ME 253 Single Reed Techniques (1)
ME 260 String Techniques (2)
ME 261 Percussion Techniques (2)
ME 300 Marching Band Techniques I (.5)
ME 400 Marching Band Techniques II (.5)
MU 220 Class Voice (2)
MU 344 Conducting/ Wind Lit (2)
MU 3xx Instrumental Ensemble (7)

VOCAL (18 Hours)
ME 443 Choral Literature (2)
ME 473 Tech of Teaching Choral Lit (2)
MP 1xx Applied Piano (1+1)
MU 114 Singer’s Diction (2)
MU 345 Conducting/Choral Lit (2)
MU 3xx Choral Ensemble (7)
MU 424 Vocal Pedagogy (2)

OR
MU 430 Pedagogy: Applied Area (2)

Professional Music Education Requirements:
Instrumental & Vocal - 39 Hours

Block I: 5 Hours
ME 222 Principles of Teaching Music (2)
PY 222 Development of the Adolescent (3)

Block II: 13 Hours
EF 304 School & Society (2)
ME 270 Field Experience Block II (3)
ME 271 Theories/Learning & Management (2)
ME 272 Techniques/Teaching Reading in Music (2)
ME 371 General Music Methods: Elem & Sec (4)

Block III: 7 Hours
EX 390 Psychology & Educ of the Excep Child (3)
ME 370 Field Experience Block III (1)
ME 372 Instrumental Techniques: Elem & Sec (3)

OR
ME 373 Choral Techniques: Elem & Sec (3)

Block IV: 13 Hours
EF 400 Seminar/Educ Issues for Student Teachers (1)
SE 463 Student Teaching Experience I (6)
SE 464 Student Teaching Experience II (6)

Additional requirements: 12-18 hours
(These courses may meet University Studies requirements and must be completed with a minimum grade of “C”)
EN 140 Rhetoric & Critical Thinking (3)
PY 222 Development of the Adolescent (3)
SC 105 Fundamentals of Oral Communication (3)
Any BI/BS course (3)
US105 American History I (3)

OR
US107 American History II (3)
PS103 US Political Systems (3)
Any CH, PH, GO course (3-5)

OR
UI 373 Historical Geology (3)

BACHELOR OF MUSIC DEGREE
Designed for students with an interest in professional careers in music.

MUSIC

76-82 Hour Major - No Minor Required
(A grade of ‘C’ or better is required for all courses within the major.)

Required Courses:
MH 251 Hist & Lit of Music to 1827 (3)
MH 252 Hist & Lit of Music from 1827 (3)
MM 101 Theories of Music in Culture (3)
MM 102 Basic Harmony & Form (3)
MM 105 Aural Skills I (1)
MM 106 Aural Skills II (1)
MM 203 Adv Harmony, Form & Counterpoint (3)
MM 204 Twentieth Century Techniques (3)
MM 207 Aural Skills III (1)
<table>
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<th>Course Code</th>
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<td>MM 208</td>
<td>Aural Skills IV</td>
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<td>MU 001</td>
<td>Piano Proficiency</td>
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<td>MU 002</td>
<td>Sophomore Review</td>
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<td>MU 110</td>
<td>Recitals &amp; Concerts</td>
<td>0</td>
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<td>MU 151</td>
<td>Functional Piano I</td>
<td>1</td>
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<tr>
<td>MU 152</td>
<td>Functional Piano II</td>
<td>1</td>
</tr>
<tr>
<td>MU 253</td>
<td>Functional Piano III</td>
<td>1</td>
</tr>
<tr>
<td>MU 254</td>
<td>Functional Piano IV</td>
<td>1</td>
</tr>
<tr>
<td>MU 300</td>
<td>Junior Recital</td>
<td>1</td>
</tr>
<tr>
<td>MU 341</td>
<td>Basic Conducting</td>
<td>2</td>
</tr>
<tr>
<td>MU 400</td>
<td>Senior Recital</td>
<td>2</td>
</tr>
<tr>
<td>UI 310</td>
<td>American Musical Experience</td>
<td>3</td>
</tr>
<tr>
<td>UI 402</td>
<td>Music in World Cultures</td>
<td>3</td>
</tr>
<tr>
<td>UI 315</td>
<td>Electronics &amp; Computers in Music</td>
<td>3</td>
</tr>
<tr>
<td>UI 392</td>
<td>The Age of Romanticism</td>
<td>3</td>
</tr>
<tr>
<td>UI 393</td>
<td>The Age of Modernism</td>
<td>3</td>
</tr>
<tr>
<td>UI 394</td>
<td>Music &amp; Culture: 1600-1750</td>
<td>3</td>
</tr>
<tr>
<td>UI 396</td>
<td>The Age of Beethoven</td>
<td>3</td>
</tr>
<tr>
<td>UI 397</td>
<td>Music in Medieval &amp; Renaissance Culture</td>
<td>3</td>
</tr>
</tbody>
</table>

**Choose 3 Hours From:**

- UI 315 Electronics & Computers in Music (3)
- UI 392 The Age of Romanticism (3)
- UI 393 The Age of Modernism (3)
- UI 394 Music & Culture: 1600-1750 (3)
- UI 396 The Age of Beethoven (3)
- UI 397 Music in Medieval & Renaissance Culture (3)

**Choose One Option:**

**COMPOSITION (42 Hours)**

- MP 197 Applied Music: Composition (2)
- MP 298 Applied Music: Composition (4)
- MP 399 Applied Music: Composition (6)
- MP 499 Applied Music: Composition (6)
- MP 4xx Applied Music: Piano (2)
- MU 3xx Major Ensemble (8)
- MU xxx Music Electives MU 299 or above (8)

**INSTRUMENTAL PERFORMANCE (36 Hours)**

- MP 1xx Applied Music: Instrumental (1+1)
- MP 2xx Applied Music: Instrumental (2+2)
- MP 3xx Applied Music: Instrumental (3+3)
- MP 4xx Applied Music: Instrumental (3+3)
- MU 299 Chamber Music (4)
- MU 3xx Instrumental Ensemble (8)
- MU 430 Pedagogy: Applied Area (2)
- MU 432 Literature: Applied Area (2)
- MU xxx Music Electives MU 300 or above (2)

**VOCAL PERFORMANCE (38 Hours)**

- MP 101 Applied Music: Voice (1+1)
- MP 202 Applied Music: Voice (2+2)
- MP 303 Applied Music: Voice (3+3)
- MP 403 Applied Music: Voice (3+3)
- MU 114 Singer's Diction (2)
- MU 3xx Vocal Ensemble (8)
- MU 424 Vocal Pedagogy (2)

OR

**GUITAR PERFORMANCE (34 Hours)**

*Guitar Performance is a concentration area, not an option and is listed below due to specialized courses.

- MP 1xx Applied Music: Guitar (2)
- MP 2xx Applied Music: Guitar (4)
- MP 3xx Applied Music: Guitar (6)
- MP 3xx Applied Music: Guitar (6)
- MU 3xx Lute & Guitar Tablature (2)
- MU 384 Guitar Ensemble (6)
- MU 3xx Instrumental Ensemble (not including Guitar Ensemble) (2)
- MU 430 Pedagogy: Applied Area (2)
- MU 432 Literature: Applied Area (2)
- MU xxx Music Electives MU 300 or above (2)

**BACHELOR OF SCIENCE IN NURSING**

The Bachelor of Science in Nursing (BSN) degree may be taken as a (1) professional program in nursing that prepares graduates to meet all requirements for making application to the Missouri State (or other state) Board of Nursing to write the national examination for licensure as a registered nurse (RN) and (2) baccalaureate completion (RN to BSN) program in nursing after licensure as a registered nurse.

See Admission to Nursing Programs criteria under Admissions, page 13. To be retained in the nursing program students must maintain at least a cumulative GPA of 2.0 in academic work at the University. When a student is enrolled in NC and NS courses with the same course number, both courses must be successfully completed in order for the student to receive passing grades for both courses. A failure in one of the courses results in a failure of both courses. If the student is readmitted to the program after the failures, the student must retake both courses and pass them in order to continue in the baccalaureate program.

Students who receive a grade below a ‘C’ in any nursing course or any required support course are not eligible to continue in the program, and must apply for readmission to the Department of Nursing Student Affairs Committee.
NURSING

59 Hour Major - No Minor Required

(A grade of ‘C’ or better is required in all courses within the major.)

Required Courses (BSN):
NC 371  Fundamentals of Nursing Clinical (3)
NC 372  Nursing Assessment Clinical (1)
NC 387  Adult Health I Clinical (2)
NC 388  Maternal-Newborn Nursing Clinical (1)
NC 389  Mental Health Nursing Clinical (1)
NC 487  Adult Health II Clinical (2)
NC 488  Pediatric Nursing Clinical (1)
NC 489  Nursing of the Elderly Clinical (1)
NC 491  Transitions in Nursing Clinical (2)
NC 492  Community Health Nursing Clinical (2)
NC 498  Nursing Practicum Clinical (3)
NS 371  Fundamentals of Nursing (3)
NS 372  Nursing Assessment (2)
NS 373  Pharmacology (3)
NS 374  Pathophysiology (3)
NS 381  Nursing Research (2)
NS 387  Adult Health I (3)
NS 388  Maternal-Newborn Nursing (3)
NS 389  Mental Health Nursing (3)
NS 487  Adult Health II (3)
NS 488  Pediatric Nursing (3)
NS 489  Nursing of the Elderly (3)
NS 491  Transitions in Nursing (3)
NS 492  Community Health Nursing (3)
NS 498  Nursing Practicum (1)
NS 499  NCLEX Prep (2)

Required Support Courses:
(Some courses may fulfill University Studies requirements. A grade of ‘C’ or better is required in each support course.)
BS 113  Anatomy & Physiology I (4)
BS 114  Anatomy & Physiology II (4)
BS 240  Microorg/Human Hosts (3)
CH 180  Chemistry in Our World (3)
FN 235  Nutrition for Health (3)
PY 220  Psych Dev Across Lifespan (3)
UI 412  American Health Care System (3)
XX xxxx  Statistics (3)

Required Nursing Courses (RN-BSN):
NS 380  Holistic Assessment & Diagnosis (4)
NS 385  Research in Professional Practice (2)
NS 386  Prof Practice: Community Health Nrsng (6)
NS 390  Framework for Professional Nusing (4)
NS 480  Prof Practice: Leadership & Mgmt (6)
NS 483  Prof Practice: Care of the Frail Elderly (2)

For required support courses and advanced placement credit information, contact the Department of Nursing.

ASSOCIATE DEGREES

The following statements pertain to all associate degrees:

A minimum of 20 hours must be completed in residence at Southeast.

The student’s last term must be completed in residence at Southeast, except that, in the case where six or fewer hours are needed to meet the total number of hours required for graduation, they may be taken from another accredited college or university, or by correspondence or extension, subject to the rules governing extension courses and transfer of credit.

A minimum cumulative GPA of 2.0 is required for graduation.

A minimum 2.0 GPA for all of the degree credit attempted at Southeast is required in the major and overall.

The student must pass EN 099 and MA 095; or score at the appropriate levels on placement tests to have the courses waived.

Additionally, the following statements pertain to all associate of arts degrees:

A minimum of 64 hours of degree credit (courses numbered 100-599) is required for graduation.

The University Studies Program, consisting of at least 21 hours, is required.

ASSOCIATE OF ARTS IN CHILD CARE AND GUIDANCE

Granted upon completion of a two-year program in human environmental studies and related disciplines.

Minimum Degree requirements 66 Hours
University Studies requirements 24 Hours*
Required Courses 38 Hours*
Additional Requirements 3 Hours

Required Courses:
CF 102  Relationships in the 21st Century (3)
CF 120  The Child: Dev/Concept to Adolsc (3)
CF 126  Facilitating Development/Young Children (3)
CF 200  Guiding Alternatives (3)
CF 210  Field Experience in Early Child Programs (2)
(waived for documented work experience in day care center)

CF 290  Preschool Participation I (2)
CF 291  Preschool Participation Lab (1)
ASSOCIATE OF APPLIED SCIENCE IN
COMPUTER TECHNOLOGY

The purpose of the program is to prepare individuals for entry-level positions in industry.

68-70 Hours Required

Core Requirements: 35-37 Hours

EN 100  English Composition I (3)

OR
EN 140  Rhetoric & Critical Thinking (3)
IM 102  Technical Communications (3)
IM 301  Industrial Safety Supervision (3)
IM 419  Industrial Supervision (3)
MA 133  Plane Trigonometry (3)
MA 134  College Algebra (3)
MN 260  Tech Computer Programming (3)
PH 120  Introductory Physics I (5)

OR
PH 106  Physical Concepts (3)
PH 121  Introductory Physics II (5)
CH 181  Basic Principles of Chemistry (5)
PS 103  U.S. Political Systems (3)
SC 105  Fund of Oral Communications (3)

Choose One 33 Hour Option:

AUTOMATED MANUFACTURING

ET 160  Basic Electricity & Electronics (3)
ET 194  Intro to PLCs (3)
IM 311  Statistical Process Control (3)
MN 120  Fund of Engr Design Processes (3)
MN 170  Industrial Materials & Testing (3)
MN 203  Industrial Materials & Processes I (3)
MN 204  Industrial Materials & Processes II (3)

OR
MN 221  Solid Modeling & Rapid Prototyping (3)
MN 324  Design Modeling & Processes (3)
MN 356  Robotics (3)
MN 412  Advanced Manufacturing System (3)

MICROCOMPUTER SYSTEMS

ET 160  Basic Electricity & Electronics (3)
ET 245  Logic Circuits (3)
IM 317  Industrial Internship (3)

OR
MI 440  Web Design Elect Computing (3)
TN 254  Fiber Optics & Network Comm (3)
TN 255  Microcomputer Maint & Trblshrng (3)
TN 275  Network Fundamentals (3)
TN 375  Network Routing Protocols & Concepts (3)
TN 395  Server Maint & Trblshrng (3)
TN 425  Wireless Comm & Mobile Data Networks (3)
TN 435  Network Security (3)
TN 563  LAN Switching (3)

TECHNICAL COMPUTER GRAPHICS

GM 180  Intro to Industrial Graphics (3)
GM 200  Vector& Bitmapped Graphics for Industry (3)
GM 282  Vector and Text Graphics (3)
GM 284  Photography Fundamentals (3)
GM 285  Commercial Photographic Lighting (3)
GM 320  Graphic & Interface Design for Internet (3)
GM 380  3D Modeling & Animation Prod (3)
GM 385  Non-Linear Video Editing (3)
GM 386  Interactive Multimedia & Animation (3)
GM 490  Advanced Graphics Projects (3)
TN 255  Microcomputer Maint & Trblshrng (3)

OR
TN 275  Network Fundamentals (3)
PRE-PROFESSIONAL PROGRAMS

Pre-professional programs available at the University include pre-architecture, pre-chiropractic, pre-dental, pre-engineering, pre-law, pre-medical, pre-optometry, pre-pharmaceutical, pre-physical therapy, pre-veterinary, and pre-vocational agriculture education.

Pre-Architecture Curriculum

The purpose of the one-year pre-professional program is to provide preparatory educational experiences for those seeking to transfer to another university for the completion of a professionally accredited degree in architecture, interior architecture or landscape architecture. The coursework provides an important opportunity for students to explore their interests and level of commitment before applying to an architecture school. The courses are meant as a foundation for students interested in an architecture program. Students will need to work closely with the school in which they plan to transfer to ensure optimal transferability of coursework. (Students who decide not to transfer could apply some courses from the pre-architecture curriculum to the Industrial Technology: Construction Management and Design option.)

Pre-Chiropractic Curriculum

Pre-Chiropractic is not a major at Southeast Missouri State University. It is possible to gain preparation for chiropractic school while pursuing any academic major in the university; however, most students find that the preponderance of biology coursework required by chiropractic schools make the biomedical sciences option in biology an attractive major. The Biology: Biomedical Sciences option is designed especially for students in the pre-health professions. Students should see the pre-dental advisor during their first semester at Southeast. Most dental schools have similar pre-professional course requirements. It is recommended, however, that you check out the specific requirements for the schools you are interested in and include these in your planning. For example, three schools require calculus. Make your “pool” of potential schools as big as possible. There are 54 accredited dental schools in the United States. This information can be obtained from the pre-dental advisor in the Department of Biology.

Pre-Engineering Curriculum

The two-year pre-engineering curriculum is designed so that students can receive a degree from an engineering school after an additional two years of study. The curriculum is closely articulated with programs at the University of Missouri-Rolla and the University of Missouri-Columbia. Transfer brochures have been prepared in cooperation with both universities and are available to students. Students planning to attend another engineering school should consult the catalog from that institution and arrange their programs with a pre-engineering advisor.

Students expecting to enroll in the pre-engineering program should have a mathematics background in high school of at least one year of geometry, two years of algebra, and one year of pre-calculus mathematics which includes trigonometry. If these requirements are not met it will be necessary to correct any deficiencies upon entering the University. Generally, this necessitates attending an additional summer term prior to transferring. Provisions have been made to accommodate students in this category.

Students should complete from 64 to 68 credit hours prior to transferring if they expect to complete an engineering degree in four years. This includes not only required courses in mathematics, physics, and engineering, but also courses in the humanities and the social sciences. Students who maintain a high academic standing will be eligible for transfer scholarships. A pre-engineering advisor in the Department of Physics and Engineering Physics should be consulted for details regarding the pre-engineering program.
Pre-Law Curriculum

Students interested in attending law school after graduation should understand that there is no single pre-law curriculum. Rigidly structured “pre-law majors” are in fact strongly discouraged by schools of law. A wide variety of undergraduate majors are suitable as law school preparation, provided that they have a strong academic content. Courses that develop a student’s ability to think logically and to express thoughts lucidly in written form are strongly suggested.

While there is no specific “pre-law major”, the Department of Political Science, Philosophy, and Religion provides pre-law advising to those students, regardless of actual major, who are considering a career in law. Such advising includes recommending to students various schools of law which may be most appropriate for them, assisting students with the law school application process (including the Law School Admission Test), and recommending undergraduate preparation for the subsequent law school experience.

Pre-Optometry Curriculum

Pre-optometry is not a major at Southeast Missouri State University. It is possible to gain preparation for optometry school while pursuing any academic major in the university; however, most students find that the preponderance of biology coursework required by optometry schools, and for preparation for the OAT, makes the biomedical sciences option in biology an attractive major. The Biology: Biomedical Sciences option is designed especially for students in the pre-health professions. Students should see the pre-optometry advisor during their first semester at Southeast. There are only 17 optometry schools in the United States and the entrance requirements are quite similar, however there are slight variations. Students should be familiar with the entrance requirements for several schools (for example, three schools require two semesters of organic chemistry) and prepare themselves appropriately so they could potentially be eligible for all of those schools. This planning is done in consultation with the pre-optometry advisor in the Department of Biology.

Pre-Physical Therapy Curriculum

Physical therapy programs require completion of a bachelor’s degree prior to admission. Students preparing for application to such programs must declare a major at Southeast in addition to declaring pre-physical therapy. Health Management, Biology, Chemistry Recreation and Human Environmental Studies/Dietetics option majors are particularly complementary to physical therapy preparation as they include many of the prerequisite courses. Prerequisite courses commonly include biology, chemistry, mathematics, psychology and English.
Some physical therapy programs accept transfer students after completion of 60 hours of prerequisite courses, after which students continue as juniors in a combined BS/MS program. Students planning to apply to such programs do not need to declare a major at Southeast but should declare pre-physical therapy.

Because each physical therapy program designates its own requirements for admission, students should pay close attention to the prerequisites of schools where they plan to apply. Students pursuing pre-physical therapy should contact the Department of Health, Human Performance and Recreation as early as possible in the enrollment process.

Pre-Veterinary Curriculum

Students preparing for application to a professional Veterinary Medicine Program for completion of a Doctor of Veterinary Medicine (D.V.M.) degree must enroll in a pre-professional program.

The minimum requirements for admission to most professional programs include 64 hours of coursework (the pre-professional program), completion of the MCAT or GRE and acceptance by the College of Veterinary Medicine to which the student makes application.

Specific subjects required in the pre-professional program include English, college algebra, biology, chemistry (inorganic, organic and biochemistry), physics, and certain University Studies courses. Courses in animal science are also recommended. Students should consult the current catalog of the College of Veterinary Medicine they plan to attend and develop their program in conference with the Pre-Veterinary Medicine advisor.

Students enrolled in the pre-professional program should plan a four-year degree program along with the Pre-Veterinary Medicine program. Students enrolling at Southeast Missouri State University will find majors in Agriculture, Chemistry, or Biology particularly complementary to the D.V.M. program. For more information, contact the School of Polytechnic Studies Advising Center.

Pre-Vocational Agriculture Education Curriculum

Students interested in certification to teach Vocational Agriculture enroll in a three-year pre-agriculture education program and complete the fourth year at a certifying institution.

University Studies and core courses in agriculture may be completed prior to transfer. Students will apply for admission to a teacher education program after transferring.

Agricultural education prepares students to be instructors of vocational agriculture in public high schools and area vocational technical schools. It can also prepare students for careers in many other areas such as agricultural business and industry.

Students may specialize in particular fields such as mechanization, economics, agronomy or horticulture. It is an exciting field that provides the opportunity to guide and develop, through instruction, the future leaders of our nation’s agricultural industry.